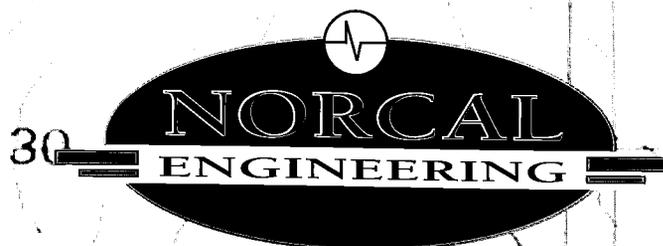


**Geotechnical Observation and Testing of
Rough Grading Operations**
Proposed Harbor Gateway Development
Located North of Francisco Street Between
Normandie Avenue and Harborgate Way, in the
City of Los Angeles, California



SOILS AND GEOTECHNICAL CONSULTANTS

**Geotechnical Observation and Testing of
Rough Grading Operations**
Proposed Harbor Gateway Development
Located North of Francisco Street Between
Normandie Avenue and Harbortate Way, in the
City of Los Angeles, California

Prepared For:

Boeing Realty Corporation
3760 Kilroy Airport Way, Suite 500
Long Beach, California 90808

Attn.: Mr. Mario Stavale

Project Number 5936-96B
May 8, 2002



Tait & Associates, Inc.
 Engineering • Surveying • Environmental

May 23, 2002

City of Los Angeles
 Attn. Mr. Alex Velasquez
 1828 Sawtelle Blvd.
 W. Los Angeles, CA

RE: HARBOR GATEWAY, PERMIT #01030-40000-00177 ROUGH GRADE CERTIFICATION AND DRAINAGE STATEMENT

Mr. Velasquez:

Our survey crew has taken shots on the final rough grades as the project has progressed. We hereby certify that the rough grades are in substantial conformance with the approved plans for:

- Tract 52172-02 lots 1-20
- Tract 52172-03 lots 1-3

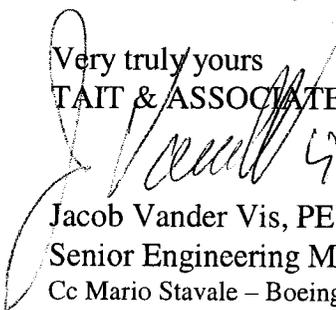
Tract 52172 (final tract) was adjusted to accommodate future development. This adjustment was an approximate lowering of the pads by 2.0 feet at lots 1-6, and 10-11. Lots 9 and 12 were lowered by 1.0 foot. Lots 7 and 8 were graded per the approved plans. This adjustment increased the size of the desilting basins.

The drainage pattern and sheet flow were maintained as shown on the approved plans.

This certification does not include approval of the compaction of any earthwork for the project. Compaction certification shall be by the soils engineer.

Feel free to call if you have any questions.

Very truly yours
 TAIT & ASSOCIATES, INC.


 Jacob Vander Vis, PE
 Senior Engineering Manger
 Cc Mario Stavale – Boeing
 Tony Vaccaro – PRES
 Jeff Goodman - Bailey





Tait & Associates, Inc.
 Engineering • Surveying • Environmental

Letter of Transmittal

To: CITY OF LOS ANGELES **Attn:** Alex Valasquez

Address: 1828 Sawtelle Blvd. **Job #:** SP3289J

West Los Angeles, CA 90025 **Date:** 5/16/02

Re: Permit # 01030-40000-00177

WE ARE TRANSMITTING:

Mylars Vellums Documents Bluelines Copies Disk Other

VIA:

U.S. Mail Exp. Mail Fed. Exp. Cert. Mail Messenger U.P.S. Overnight

FOR:

Your Request File(s) Approval Use Signature Attention Other

ORIGINAL PRINTS

Preliminary Revised Final Signed Sealed Stamped Other

Remarks:

CC: Jeff Goodman, BAYLEY

Mario Stavale, BOEING

Sincerely,



TAIT & ASSOCIATES, INC.

JACOB VANDER VIS, PE
 Project Manager

NorCal Engineering
Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562) 799-9469 Fax (562) 799-9459

May 8, 2002

Project Number 5936-96B

Boeing Realty Corporation
3760 Kilroy Airport Way, Suite 500
Long Beach, California 90808

Attn: Mr. Mario Stavale

RE: Report of Geotechnical Observation and Testing of Rough Grading Operations – Proposed Harborgate Way Development – Located North of Francisco Street between Normandie Avenue and Harborgate Way, in the City of Los Angeles (Tract No. 52172)

Dear Mr. Stavale:

Pursuant to your request, this firm has provided this geotechnical report to summarize the observation and testing performed during rough grading operations at the above referenced project. The geotechnical aspects of the rough grading were conducted in accordance with our report titled "Preliminary Geotechnical Investigation", dated March 18, 1996, Project Number 5936-96. Our geotechnical services pertaining to the grading of the project development are summarized in the subsequent sections of this report.

Site Grading

The purpose of the grading operations was for the placement of fill to provide secondary support of the proposed development. Support of the proposed development may be reclassified with additional testing or grading and will be addressed when building plans become available. All vegetation and demolition debris was stripped and removed from the fill area prior to the placement of any fill soils. The upper low density surface soils were removed to competent native material, the exposed surface scarified, moisture conditioned and then recompacted to a minimum of 90% relative compaction.

All bottoms were observed and approved by this firm prior to placement of fill material. Excavated soils were reutilized after any deliterios or oversized material (in excess of eight inches) was removed.

In the opinion of this firm, the native soils are suitable to support the placement of fill material. The existing basement area of former Building No. 1 was removed to competent native soils and backfilled to proposed mass grade elevations. The maximum depth of fill placed in this area was approximately 30 feet.

Numerous environmental and demolition excavations were made on the site. The excavations were cleansed of all demolition debris and low density material to expose competent native soils. The excavation bottoms were observed and approved by this firm prior to placement of fill. The maximum depth of fill in these areas ranged from approximately 8 to 45 feet.

Fill soils placed were compacted to a minimum 90% of the laboratory standard in lifts not in excess of eight inches in thickness. Areas that tested below 90% compaction were reworked and retested until a minimum of 90% relative compaction at near optimum moisture levels could be achieved. Conventional earthmoving equipment was utilized for compaction control. A sheepsfoot wheel and hand compaction equipment were utilized for compaction control of utilities on Knox Street. Water trucks and water hoses provided moisture control. Our services did not include any surveying of excavation bottoms, building corners, or subgrade elevations during grading operations.

Once plans for proposed buildings are available a soils investigation including additional laboratory testing will be required for each site and additional recommendations specific to the planned development will be made at that time.

Laboratory/Field Testing

The relative compaction was determined by Sand Cone Method (ASTM: D1556-82) and by the Drive Tube Method (ASTM: D2937-00). The maximum density of the fill soils was obtained by the laboratory standard (ASTM: D1557-00) and results are shown on Table I. Tests were performed a minimum of every 500 cubic yards placed and every two feet in depth of fill placed. A summary of the compaction tests of the rough grading operations are described in Appendix B with locations shown on the accompanying plan.

Additional laboratory tests were performed on representative bulk bag samples of the near surface soils at the completion of precise grading operations. The tests consisted of the following:

- A. Expansion index tests in accordance with the Uniform Building Code Standard No. 29-2 were performed on remolded samples of the upper soils to determine the expansive characteristics and to provide any necessary recommendations for reinforcement of the slabs-on-grade and the foundations. Results of these tests are provided on Table II in Appendix A.

Limitations

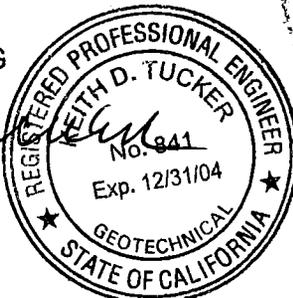
It should be noted that our work does not warrant or guarantee that the contractor responsible for each phase of the project has performed his work in accordance with the project specifications.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING



Keith D. Tucker
Project Engineer
R.G.E. 841



Walter K. Mott
Project Manager

NorCal Engineering

Appendices
(In order of appearance)

Appendix A – Laboratory Tests

Table I – Maximum Density Tests
Table II – Expansion Index Tests

Appendix B – Summary of Compaction Test Results

Site Plan
Summary of Compaction Tests

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Appendix A

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TABLE I
MAXIMUM DENSITY TESTS
(ASTM: D1557-00)

<u>Sample</u>	<u>Classification</u>	<u>Optimum Moisture</u>	<u>Maximum Dry Density (lbs./cu.ft.)</u>
I	SAND fine to medium grained silty, slightly clayey	11.0	123.0
II	SAND, silty clayey	11.0	125.0
III	Silty CLAY with trace of gravel	12.5	121.0
IV	Slightly silty clayey SAND	12.0	122.0
V	SAND fine to medium grained silty slightly clayey	10.5	128.0
VI	CLAY sandy	12.0	117.5
VII	SAND fine to medium grained silty	11.5	121.5
VIII	Clayey SILT with gravel	10.5	116.0
IX	SAND fine to medium grained silty	11.0	112.0
X	Clayey silty SAND	14.0	111.0
XI	Clay silty SAND	12.5	115.0
XII	Silty CLAY fine to medium grained SAND	9.5	122.5
XIII	Clayey SILT with gravel	11.5	119.5
XIV	Clayey SILT	14.0	118.0
XV	Silty CLAY	13.0	112.0
XVI	SAND clayey	11.5	123.0
XVII	CLAY sandy	13.0	120.0
XVIII	Crushed Miscellaneous Base	8.0	128.0

TABLE I
MAXIMUM DENSITY TESTS
(ASTM: D1557-00)

<u>Sample</u>	<u>Classification</u>	<u>Optimum Moisture</u>	<u>Maximum Dry Density (lbs./cu.ft.)</u>
XIX	Silty CLAY	12.5	120.5
XX	CLAY	14.5	115.0
XXI	Crushed Miscellaneous Base	9.5	126.5
XXII	SAND fine to medium grained, clayey	11.0	120.0
XXIII	Sandy CLAY	14.0	118.0
XXIV	Silty sandy CLAY	13.5	118.5
XXV	Clayey SILT	13.0	119.0
XXVI	SAND fine to coarse grained, slightly silty	10.5	125.0
XXVII	SAND fine to medium grained, silty	9.5	118.0

TABLE II
EXPANSION INDEX TESTS
(U.B.C. STD. 29-2)

<u>Sample</u>	<u>Classification</u>	<u>Expansion Index</u>
I	SAND fine to medium grained, silty	10
II	Silty CLAY	61
III	Silty CLAY	56
IV	Clayey SILT	35

Appendix B

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
2/3/01	101	Basement Bkfl.	10.0-10.5	11.7	111.9	91	I	D
2/3/01	102	Basement Bkfl.	11.0-11.5	12.1	113.3	92	I	D
2/5/01	103	Basement Bkfl.	10.0-10.5	11.5	116.6	93	II	D
2/5/01	104	Basement Bkfl.	9.5-10.0	11.9	114.8	92	II	S
2/5/01	105	Basement Bkfl.	9.0-9.5	12.3	112.2	93	III	S
2/6/01	106	Basement Bkfl.	12.0-12.5	11.3	111.4	91	I	D
2/6/01	107	Basement Bkfl.	8.0-8.5	12.8	112.6	93	III	S
2/6/01	108	Basement Bkfl.	6.5-7.0	11.9	114.5	92	II	S
2/6/01	109	Basement Bkfl.	10.5-11.0	12.2	109.6	91	III	S
2/6/01	110	Basement Bkfl.	9.0-9.5	12.1	112.7	92	IV	D
2/6/01	111	Basement Bkfl.	5.0-5.5	11.5	116.6	93	II	D
2/6/01	112	Basement Bkfl.	8.0-8.5	11.8	111.3	91	IV	S
2/7/01	113	Basement Bkfl.	4.0-4.5	11.4	116.7	91	V	D
2/7/01	114	Basement Bkfl.	3.5-4.0	10.9	118.1	92	V	D
2/7/01	115	Basement Bkfl.	13.0-13.5	10.7	112.9	92	I	D
2/7/01	116	Basement Bkfl.	13.5-14.0	11.2	113.6	92	I	S
2/7/01	117	Basement Bkfl.	7.0-7.5	13.8	106.3	87	IV	D
2/7/01	117A**	Basement Bkfl.	7.0-7.5	12.7	110.0	90	IV	D
2/7/01	118	Basement Bkfl.	12.5-13.0	11.1	115.2	94	I	S
2/7/01	119	Basement Bkfl.	3.5-4.0	11.5	117.5	92	V	D
2/7/01	120	Basement Bkfl.	4.5-5.0	10.8	118.5	93	V	D
2/7/01	121	Basement Bkfl.	6.0-6.5	11.2	116.0	91	V	S
2/7/01	122	Basement Bkfl.	10.5-11.0	12.0	111.6	92	III	S
2/7/01	123	Basement Bkfl.	10.0-10.5	13.2	106.0	88	III	S
2/7/01	123A**	Basement Bkfl.	10.0-10.5	13.3	110.3	91	III	S
2/7/01	124	Basement Bkfl.	4.0-4.5	11.8	114.2	91	II	S
2/7/01	125	Basement Bkfl.	6.5-7.0	11.3	116.8	91	V	D
2/7/01	126	Basement Bkfl.	9.0-9.5	12.2	112.3	92	IV	D
2/7/01	127	Basement Bkfl.	8.0-8.5	12.5	112.9	93	IV	D
2/8/01	128	Basement Bkfl.	12.5-13.0	10.1	114.8	93	I	S
2/8/01	129	Basement Bkfl.	2.5-3.0	11.6	108.4	92	VI	D
2/8/01	130	Basement Bkfl.	2.0-2.5	11.9	109.0	93	VI	D

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
2/8/01	131	Basement Bkfl.	5.0-5.5	12.7	111.8	92	IV	D
2/8/01	132	Basement Bkfl.	3.5-4.0	12.8	110.8	91	VII	S
2/8/01	133	Basement Bkfl.	6.5-7.0	11.2	117.8	92	V	D
2/8/01	134	Basement Bkfl.	5.0-5.5	11.3	118.6	93	V	D
2/8/01	135	Basement Bkfl.	16.0-16.5	11.8	110.9	90	I	D
2/8/01	136	Basement Bkfl.	12.0-12.5	10.9	112.6	92	I	S
2/8/01	137	Basement Bkfl.	2.0-2.5	11.9	105.6	87	VII	D
2/8/01	137A**	Basement Bkfl.	2.0-2.5	11.7	111.0	91	VII	D
2/8/01	138	Basement Bkfl.	5.0-5.5	12.3	108.6	92	VI	D
2/8/01	139	Basement Bkfl.	13.0-13.5	10.6	112.1	91	I	D
2/8/01	140	Basement Bkfl.	11.0-11.5	13.1	112.5	92	IV	S
2/8/01	141	Basement Bkfl.	14.0-14.5	12.7	113.6	93	IV	D
2/8/01	142	Basement Bkfl.	12.0-12.5	13.4	110.2	91	III	S
2/8/01	143	Basement Bkfl.	11.5-12.0	12.2	111.4	91	I	D
2/8/01	144	Basement Bkfl.	10.0-10.5	12.5	112.1	92	IV	S
2/8/01	145	Basement Bkfl.	10.0-10.5	11.9	113.5	93	IV	D
2/9/01	146	Basement Bkfl.	1.0-1.5	11.7	116.4	93	II	D
2/9/01	147	Basement Bkfl.	2.5-3.0	12.3	108.6	92	VI	D
2/9/01	148	Basement Bkfl.	9.0-9.5	12.6	112.9	93	IV	S
2/9/01	149	Basement Bkfl.	8.0-8.5	11.8	111.8	91	I	D
2/9/01	150	Basement Bkfl.	28.0-28.5	11.9	112.2	91	I	D
2/9/01	151	Basement Bkfl.	26.0-26.5	12.3	108.6	88	I	D
2/9/01	151A**	Basement Bkfl.	26.0-26.5	12.5	112.4	91	I	D
2/9/01	152	Basement Bkfl.	24.0-24.5	11.9	113.9	91	II	S
2/9/01	153	Basement Bkfl.	22.0-22.5	12.2	116.7	93	II	D
2/9/01	154	Basement Bkfl.	20.0-20.5	11.8	113.9	93	I	D
2/9/01	155	Basement Bkfl.	18.0-18.5	13.2	111.3	92	III	S
2/9/01	156	Basement Bkfl.	16.0-16.5	12.7	110.7	91	III	S
2/9/01	157	Basement Bkfl.	14.0-14.5	12.8	112.6	93	III	S
2/9/01	158	Basement Bkfl.	12.0-12.5	11.9	109.0	87	II	D
2/9/01	158A**	Basement Bkfl.	12.0-12.5	12.1	114.2	91	II	D
2/22/01	159	Basement Bkfl.	11.0-11.5	13.4	110.6	91	IV	S

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
2/22/01	160	Basement Bkfl.	8.0-8.5	13.7	111.7	92	IV	D
2/22/01	161	Basement Bkfl.	6.5-7.0	15.8	108.8	87	II	D
3/14/01	161A**	Basement Bkfl.	6.5-7.0	11.6	111.1	92	III	S
3/14/01	162	Basement Bkfl.	7.0-7.5	11.1	106.2	91	VI	S
3/14/01	163	Basement Bkfl.	13.0-13.5	13.0	113.2	93	III	S
3/14/01	164	Basement Bkfl.	4.0-4.5	11.7	106.5	91	VI	D
3/14/01	165	Basement Bkfl.	11.0-11.5	11.3	117.6	92	III	S
3/14/01	166	Basement Bkfl.	1.0-1.5	13.3	113.2	93	III	S
3/14/01	167	Basement Bkfl.	9.0-9.5	13.1	108.8	93	VI	D
3/15/01	168	Basement Bkfl.	30.0-30.5	12.4	115.1	93	I	D
3/15/01	169	Basement Bkfl.	28.5-29.0	11.8	111.6	91	I	S
3/15/01	170	Basement Bkfl.	12.0-12.5	11.8	103.0	91	VIII	S
3/15/01	171	Basement Bkfl.	27.0-27.5	11.2	108.0	92	VI	D
3/15/01	172	Basement Bkfl.	7.0-7.5	12.3	104.0	91	VIII	S
3/15/01	173	Basement Bkfl.	25.0-25.5	10.1	112.0	95	VI	S
3/15/01	174	Basement Bkfl.	23.0-23.5	10.5	111.0	92	III	S
3/15/01	175	Basement Bkfl.	5.0-5.5	12.4	106.0	91	VIII	S
3/15/01	176	Basement Bkfl.	21.0-21.5	11.0	114.0	94	III	S
3/15/01	177	Basement Bkfl.	3.0-3.5	10.7	113.0	93	III	S
3/15/01	178	Basement Bkfl.	19.0-19.5	10.2	113.0	93	III	S
3/15/01	179	Basement Bkfl.	17.5-18.0	12.1	111.7	92	III	S
3/16/01	180	Basement Bkfl.	10.0-10.5	13.6	116.1	96	III	S
3/16/01	181	Basement Bkfl.	16.0-16.5	19.1	108.3	87	II	S
3/16/01	181A**	Basement Bkfl.	16.0-16.5	11.9	116.5	91	V	S
3/16/01	182	Basement Bkfl.	1.0-1.5	13.4	111.6	95	VI	D
3/16/01	183	Basement Bkfl.	8.0-8.5	11.7	111.0	96	VIII	S
3/16/01	184	Basement Bkfl.	15.0-15.0	13.7	114.2	94	III	S
3/17/01	185	Basement Bkfl.	0.0-0.5	11.4	116.0	93	II	S
3/17/01	186	Basement Bkfl.	14.0-14.5	13.2	97.6	84	VIII	S
3/19/01	186A**	Basement Bkfl.	14.0-14.5	11.5	115.1	95	III	S
3/17/01	187	Basement Bkfl.	2.0-2.5	11.2	114.3	94	III	S
3/19/01	188	Basement Bkfl.	8.0-8.5	11.8	108.1	92	VI	D

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
3/19/01	189	Basement Bkfl.	8.0-8.5	13.4	110.7	94	VI	D
3/19/01	190	Basement Bkfl.	6.5-7.0	13.1	109.6	90	VII	S
3/19/01	191	Basement Bkfl.	5.0-5.5	12.9	117.2	96	VII	S
3/19/01	192	Basement Bkfl.	12.0-12.5	13.2	120.1	96	II	D
3/19/01	193	Basement Bkfl.	8.0-8.5	13.1	114.6	97	VI	D
3/19/01	194	Basement Bkfl.	8.0-8.5	18.0	99.9	85	VI	S
3/19/01	194A**	Basement Bkfl.	8.0-8.5	12.3	107.0	91	VII	S
3/19/01	195	Basement Bkfl.	6.5-7.0	12.5	110.8	91	VII	D
3/19/01	196	Basement Bkfl.	3.0-3.5	10.6	112.1	92	III	S
3/20/01	197	Basement Bkfl.	10.0-10.5	13.5	116.3	96	III	S
3/20/01	198	Basement Bkfl.	8.0-8.5	12.6	110.5	91	III	S
3/20/01	199	Basement Bkfl.	6.0-6.5	13.1	112.2	92	III	S
3/20/01	200	Basement Bkfl.	6.0-6.5	11.4	107.1	92	VI	S
3/20/01	201	Basement Bkfl.	0.0-0.5	12.3	111.0	91	VII	D
3/20/01	202	Basement Bkfl.	5.0-5.5	11.8	118.2	92	V	D
3/21/01	203	Basement Bkfl.	4.0-4.5	10.7	109.4	93	VI	D
3/21/01	204	Basement Bkfl.	4.0-4.5	10.2	107.3	91	VI	S
3/21/01	205	Basement Bkfl.	3.0-3.5	11.7	117.3	92	V	D
3/21/01	206	Basement Bkfl.	3.5-4.0	11.3	115.4	90	V	D
3/21/01	207	Basement Bkfl.	2.0-2.5	9.8	113.1	88	V	S
3/21/01	207A**	Basement Bkfl.	2.0-2.5	9.6	119.2	93	V	S
3/22/01	208	Basement Bkfl.	5.0-5.5	10.9	116.3	91	V	D
3/22/01	209	Basement Bkfl.	4.0-4.5	11.5	117.5	91	V	D
3/22/01	210	Basement Bkfl.	4.0-4.5	10.6	103.3	92	IX	S
3/22/01	211	Basement Bkfl.	4.5-5.0	11.7	104.2	93	IX	D
3/29/01	212	Basement Bkfl.	4.0-4.5	13.2	103.6	93	X	D
3/29/01	213	Basement Bkfl.	5.0-5.5	13.9	102.6	92	X	D
3/29/01	214	Basement Bkfl.	3.5-4.0	10.8	110.8	91	IV	S
3/29/01	215	Basement Bkfl.	4.0-4.5	10.4	112.7	92	IV	D
4/3/01	216	Basement Bkfl.	4.0-4.5	13.1	110.5	91	III	S
4/3/01	217	Basement Bkfl.	3.0-3.5	12.5	101.3	90	IX	S
4/3/01	218	Basement Bkfl.	4.0-4.5	16.3	112.0	96	X	D

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
4/3/01	219	Basement Bkfl.	4.0-4.5	15.7	104.4	92	X	D
4/3/01	220	Basement Bkfl.	4.0-4.5	14.3	102.9	93	X	D
4/4/01	221	Basement Bkfl.	3.5-4.0	15.3	102.4	92	X	D
4/4/01	222	Basement Bkfl.	3.0-3.5	13.8	104.9	91	XI	S
4/4/01	223	Basement Bkfl.	2.0-2.5	14.2	104.5	94	X	D
4/4/01	224	Basement Bkfl.	2.0-2.5	13.7	105.8	95	X	D
4/5/01	225	Basement Bkfl.	2.0-2.5	13.0	109.5	95	XI	S
4/5/01	226	Basement Bkfl.	2.5-3.0	12.6	102.1	91	IX	D
4/5/01	227	Basement Bkfl.	2.0-2.5	8.0	99.3	88	IX	D
4/5/01	227A**	Basement Bkfl.	2.0-2.5	11.5	107.8	96	IX	D
4/6/01	228	Basement Bkfl.	1.5-2.0	11.9	103.3	92	IX	D
4/6/01	229	Basement Bkfl.	1.5-2.0	11.9	103.8	93	IX	S
4/9/01	230	Basement Bkfl.	1.0-1.5	9.2	115.6	94	XII	D
4/9/01	231	Basement Bkfl.	1.0-1.5	12.3	103.4	93	XIII	S
4/9/01	232	Basement Bkfl.	2.0-2.5	10.8	112.5	92	XII	D
4/9/01	233	Basement Bkfl.	1.5-2.0	10.7	111.6	91	XII	S
4/9/01	234	Basement Bkfl.	1.0-1.5	11.7	108.8	91	XIII	S
4/10/01	235	Basement Bkfl.	0.0-0.5	10.0	114.5	94	XII	D
4/10/01	236	Basement Bkfl.	0.0-0.5	10.7	112.0	96	VIII	S
4/10/01	237	Basement Bkfl.	0.5-1.0	8.9	110.4	90	XII	S
4/10/01	238	Basement Bkfl.	1.0-1.5	9.7	112.3	92	XII	D
4/10/01	239	Basement Bkfl.	0.0-0.5	8.8	116.7	95	XII	D
4/11/01	240	Basement Bkfl.	1.0-1.5	11.7	110.1	90	IV	D
4/11/01	241	Basement Bkfl.	1.0-1.5	12.2	118.5	95	II	S
4/11/01	242	Basement Bkfl.	0.0-0.5	14.5	103.0	98	X	D
4/11/01	243	Basement Bkfl.	0.0-0.5	12.3	101.0	91	X	D
4/11/01	244	Basement Bkfl.	0.0-0.5	11.9	102.3	92	X	D
4/20/01	245	Excavation Bkfl.	30.0-30.5	10.0	112.3	91	I	S
4/20/01	246	Excavation Bkfl.	29.0-29.5	11.6	118.7	93	V	D
4/20/01	247	Excavation Bkfl.	28.0-28.5	11.5	118.1	92	V	D
4/20/01	248	Excavation Bkfl.	28.5-29.0	11.3	117.5	92	V	D
4/21/01	249	Excavation Bkfl.	26.0-26.5	11.4	119.4	93	V	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
4/21/01	250	Excavation Bkfl.	27.5-28.0	9.9	116.7	91	V	D
4/21/01	251	Excavation Bkfl.	25.5-26.0	10.3	117.4	92	V	D
4/21/01	252	Excavation Bkfl.	27.0-27.5	10.1	115.3	90	V	D
4/23/01	253	Excavation Bkfl.	28.0-28.5	11.3	112.8	92	I	S
4/23/01	254	Excavation Bkfl.	29.0-29.5	11.7	112.2	91	I	D
4/23/01	255	Excavation Bkfl.	27.0-27.5	12.7	113.3	93	IV	D
4/23/01	256	Excavation Bkfl.	26.0-26.5	12.1	112.5	92	IV	D
4/23/01	257	Excavation Bkfl.	25.0-25.5	12.7	106.1	90	VI	S
4/24/01	258	Excavation Bkfl.	24.0-24.5	10.0	117.2	91	V	D
4/24/01	259	Excavation Bkfl.	23.0-23.5	10.7	119.6	93	V	D
4/24/01	260	Excavation Bkfl.	22.0-22.5	11.6	116.2	91	V	D
4/24/01	261	Excavation Bkfl.	23.5-24.0	11.3	118.7	93	V	S
4/25/01	262	Excavation Bkfl.	22.5-23.0	11.8	114.8	92	II	D
4/25/01	263	Excavation Bkfl.	21.5-22.0	12.4	110.7	91	VII	D
4/25/01	264	Excavation Bkfl.	22.0-22.5	12.7	110.3	91	VII	D
4/25/01	265	Excavation Bkfl.	21.0-21.5	11.4	118.1	92	V	S
4/26/01	266	Excavation Bkfl.	8.0-8.5	14.6	105.6	95	X	D
4/26/01	267	Excavation Bkfl.	7.0-7.5	13.9	111.5	92	III	S
4/26/01	268	Excavation Bkfl.	6.5-7.0	10.7	110.9	90	I	D
4/26/01	269	Excavation Bkfl.	5.0-5.5	11.3	112.1	91	I	S
4/27/01	270	Excavation Bkfl.	6.0-6.5	12.4	117.4	96	IV	D
4/27/01	271	Excavation Bkfl.	5.0-5.5	12.9	117.8	97	III	S
4/27/01	272	Excavation Bkfl.	4.0-4.5	13.8	102.5	92	X	D
4/27/01	273	Excavation Bkfl.	4.0-4.5	9.1	120.3	94	V	S
4/27/01	274	Excavation Bkfl.	20.0-20.5	10.6	104.6	93	IX	D
4/27/01	275	Excavation Bkfl.	18.5-19.0	14.8	103.1	93	X	D
4/27/01	276	Excavation Bkfl.	16.5-17.0	11.4	102.9	92	IX	D
4/27/01	277	Excavation Bkfl.	15.0-15.5	13.0	104.5	94	X	S
4/27/01	278	Excavation Bkfl.	15.0-15.5	13.1	106.2	92	XI	D
4/27/01	279	Excavation Bkfl.	17.0-17.5	13.6	100.3	90	X	D
4/28/01	280	Excavation Bkfl.	45.0-45.5	11.8	110.9	90	I	D
4/28/01	281	Excavation Bkfl.	43.5-44.0	12.7	110.8	91	IV	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
4/28/01	282	Excavation Bkfl.	42.0-42.5	12.3	113.2	93	IV	D
4/28/01	283	Excavation Bkfl.	40.0-40.5	12.8	114.9	94	IV	D
4/28/01	284	Excavation Bkfl.	38.0-38.5	13.1	108.4	92	VI	D
4/28/01	285	Excavation Bkfl.	36.5-37.0	13.4	106.7	91	VI	S
4/28/01	286	Excavation Bkfl.	35.0-35.5	12.5	112.7	92	IV	D
4/28/01	287	Excavation Bkfl.	33.5-34.0	12.7	112.5	92	IV	D
4/28/01	288	Excavation Bkfl.	31.5-32.0	12.9	109.8	91	III	S
4/28/01	289	Excavation Bkfl.	30.0-30.5	10.8	116.6	95	XII	S
4/28/01	290	Excavation Bkfl.	28.5-29.0	13.1	112.3	93	III	S
4/28/01	291	Excavation Bkfl.	27.0-27.5	10.9	114.1	93	XII	D
4/28/01	292	Excavation Bkfl.	26.0-26.5	10.7	112.4	92	XII	D
4/28/01	293	Excavation Bkfl.	25.0-25.5	11.5	109.6	93	VI	S
4/28/01	294	Excavation Bkfl.	24.0-24.5	11.4	100.9	90	IX	D
4/28/01	295	Excavation Bkfl.	22.5-23.0	13.2	101.2	91	X	D
4/28/01	296	Excavation Bkfl.	20.0-20.5	11.2	117.4	95	I	D
4/28/01	297	Excavation Bkfl.	20.0-20.5	11.5	111.2	90	I	S
4/28/01	298	Excavation Bkfl.	18.5-19.0	11.8	113.9	91	II	D
4/28/01	299	Excavation Bkfl.	16.5-17.0	12.3	111.7	92	IV	D
4/28/01	300	Excavation Bkfl.	15.0-15.5	11.8	105.7	94	IX	D
4/28/01	301	Excavation Bkfl.	0.0-0.5	11.1	113.6	93	VII	S
4/28/01	302	Excavation Bkfl.	0.0-0.5	10.3	120.9	94	V	D
4/28/01	303	Excavation Bkfl.	15.0-15.5	10.6	115.7	92	II	D
4/28/01	304	Excavation Bkfl.	14.0-14.5	11.7	115.9	93	II	D
4/28/01	305	Excavation Bkfl.	13.0-13.5	12.1	118.2	95	II	S
4/28/01	306	Excavation Bkfl.	13.5-14.0	12.4	116.1	93	II	D
4/28/01	307	Excavation Bkfl.	12.5-13.0	12.7	112.5	92	IV	D
4/28/01	308	Excavation Bkfl.	12.0-12.5	10.8	117.3	93	II	D
4/30/01	309	Excavation Bkfl.	10.0-10.5	12.2	110.8	94	VI	S
4/30/01	310	Excavation Bkfl.	17.0-17.5	9.4	117.1	91	V	D
4/30/01	311	Excavation Bkfl.	25.0-25.5	9.8	116.6	95	XII	D
4/30/01	312	Excavation Bkfl.	30.0-30.5	11.1	105.9	94	IX	D
4/30/01	313	Excavation Bkfl.	34.0-34.5	13.2	106.3	92	XI	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
4/30/01	314	Excavation Bkfl.	24.0-24.5	11.8	110.1	90	IV	D
4/30/01	315	Excavation Bkfl.	23.0-23.5	12.1	111.3	91	IV	D
5/1/01	316	Excavation Bkfl.	22.0-22.5	12.2	113.8	93	IV	D
5/1/01	317	Excavation Bkfl.	20.0-20.5	11.4	106.8	95	IX	S
5/1/01	318	Excavation Bkfl.	18.5-19.0	11.3	103.8	93	IX	D
5/1/01	319	Excavation Bkfl.	17.5-18.0	11.5	104.2	93	IX	D
5/1/01	320	Excavation Bkfl.	32.0-32.5	10.8	104.3	93	IX	D
5/1/01	321	Excavation Bkfl.	30.0-30.5	11.8	114.7	92	II	S
5/1/01	322	Excavation Bkfl.	28.0-28.5	12.1	113.9	91	II	D
5/1/01	323	Excavation Bkfl.	26.0-26.5	12.3	112.4	92	IV	D
5/2/01	324	Excavation Bkfl.	8.0-8.5	11.9	116.1	94	I	D
5/2/01	325	Excavation Bkfl.	24.0-24.5	12.1	114.0	91	II	S
5/2/01	326	Excavation Bkfl.	22.0-22.5	12.6	102.8	92	IX	D
5/2/01	327	Excavation Bkfl.	20.0-20.5	12.2	113.5	93	IV	D
5/2/01	328	Excavation Bkfl.	18.5-19.0	13.1	110.9	91	IV	D
5/2/01	329	Excavation Bkfl.	17.0-17.5	12.8	109.9	90	IV	S
5/3/01	330	Excavation Bkfl.	15.0-15.5	11.6	114.2	92	II	D
5/3/01	331	Excavation Bkfl.	15.0-15.5	14.1	102.7	92	X	D
5/3/01	332	Excavation Bkfl.	13.0-13.5	15.0	108.9	88	I	D
5/3/01	332A**	Excavation Bkfl.	13.5-14.0	11.1	114.7	93	I	D
5/3/01	333	Excavation Bkfl.	14.0-14.5	11.9	113.6	91	II	S
5/3/01	334	Excavation Bkfl.	12.0-12.5	12.6	109.2	90	III	S
5/3/01	335	Excavation Bkfl.	11.5-12.0	15.2	106.3	88	III	S
5/3/01	335A**	Excavation Bkfl.	11.5-12.0	13.1	111.1	92	III	S
5/3/01	336	Excavation Bkfl.	12.5-13.0	12.6	113.8	93	IV	S
5/3/01	337	Excavation Bkfl.	13.0-13.5	10.8	111.7	91	XII	D
5/3/01	338	Excavation Bkfl.	11.0-11.5	13.1	101.8	92	X	D
5/7/01	339	Excavation Bkfl.	28.0-28.5	10.2	120.6	98	XII	D
5/8/01	340	Excavation Bkfl.	26.0-26.5	11.3	118.5	94	II	S
5/8/01	341	Excavation Bkfl.	24.0-24.5	11.0	116.5	93	II	D
5/8/01	342	Excavation Bkfl.	14.0-14.5	11.8	114.7	92	II	D
5/8/01	343	Excavation Bkfl.	12.5-13.0	13.2	113.9	94	III	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
5/8/01	344	Excavation Bkfl.	11.0-11.5	13.6	112.8	93	III	S
5/8/01	345	Excavation Bkfl.	9.5-10.0	12.3	115.3	92	II	D
5/9/01	346	Excavation Bkfl.	8.0-8.5	11.4	112.2	93	III	S
5/9/01	347	Excavation Bkfl.	15.5-16.0	13.5	109.9	90	IV	D
5/9/01	348	Excavation Bkfl.	13.5-14.0	12.9	110.6	91	IV	S
5/9/01	349	Excavation Bkfl.	12.0-12.5	10.6	113.1	92	XII	D
5/10/01	350	Excavation Bkfl.	15.0-15.5	11.7	114.9	94	IV	D
5/10/01	351	Excavation Bkfl.	13.5-14.0	10.4	111.7	91	XII	D
5/10/01	352	Excavation Bkfl.	11.0-11.5	11.3	113.1	93	IV	S
5/10/01	353	Excavation Bkfl.	12.0-12.5	11.8	107.3	91	VI	D
5/10/01	354	Excavation Bkfl.	14.0-14.5	14.7	102.4	87	VI	D
5/10/01	354A**	Excavation Bkfl.	14.0-14.5	12.9	107.0	91	VI	D
5/10/01	355	Excavation Bkfl.	12.5-13.0	11.7	111.9	92	IV	S
5/10/01	356	Excavation Bkfl.	10.0-10.5	12.2	112.3	92	IV	D
5/10/01	357	Excavation Bkfl.	10.0-10.5	12.1	115.5	94	IV	D
5/11/01	358	Excavation Bkfl.	10.0-10.5	12.0	113.5	96	VI	D
5/11/01	359	Excavation Bkfl.	10.5-11.0	12.6	106.1	90	VI	S
5/11/01	360	Excavation Bkfl.	8.5-9.0	11.8	114.8	92	II	D
5/11/01	361	Excavation Bkfl.	10.5-11.0	12.6	110.3	91	III	S
5/11/01	362	Excavation Bkfl.	9.0-9.5	12.1	113.4	91	II	D
5/11/01	363	Excavation Bkfl.	8.0-8.5	12.3	113.1	93	IV	S
5/11/01	364	Excavation Bkfl.	7.5-8.0	12.6	112.5	92	IV	D
5/11/01	365	Excavation Bkfl.	8.5-9.0	12.9	107.2	91	VI	D
5/23/01	366	Site Grading	8.0-8.5	15.3	111.0	94	XIV	D
5/23/01	367	Site Grading	6.0-6.5	13.2	106.0	92	XI	S
5/23/01	368	Site Grading	4.0-4.5	13.6	106.5	93	XI	D
5/24/01	369	Site Grading	2.0-2.5	12.2	112.3	93	III	S
5/24/01	370	Site Grading	0.0-0.5	11.8	112.7	93	III	S
5/24/01	371	Site Grading	8.0-8.5	12.7	110.9	94	XIV	S
5/25/01	372	Site Grading	6.0-6.5	12.0	113.3	94	XI	D
5/25/01	373	Site Grading	5.0-5.5	11.9	110.0	93	III	S
5/25/01	374	Site Grading	4.0-4.5	12.5	106.7	93	XI	D

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
5/25/01	375	Site Grading	3.0-3.5	11.8	110.9	92	XI	S
5/29/01	376	Site Grading	2.0-2.5	12.2	104.6	91	III	S
5/29/01	377	Site Grading	1.0-1.5	11.9	106.2	92	XIV	D
5/29/01	378	Site Grading	4.0-4.5	13.1	105.6	92	XI	D
5/29/01	379	Site Grading	3.5-4.0	12.4	103.8	90	XI	S
5/29/01	380	Site Grading	3.0-3.5	14.8	99.2	86	XI	D
5/29/01	380A**	Site Grading	3.0-3.5	12.7	105.3	92	XI	D
5/29/01	381	Site Grading	2.0-2.5	14.1	109.9	93	XIV	D
5/29/01	382	Site Grading	2.5-3.0	12.8	110.4	91	III	S
5/29/01	383	Site Grading	2.5-3.0	13.6	111.5	92	III	S
5/29/01	384	Site Grading	2.0-2.5	11.9	113.4	91	II	D
5/29/01	385	Site Grading	5.0-5.5	13.2	106.4	90	XIV	D
5/29/01	386	Site Grading	4.0-4.5	13.3	103.7	90	XI	S
5/29/01	387	Site Grading	3.0-3.5	12.6	105.3	92	XI	D
5/29/01	388	Site Grading	3.5-4.0	13.7	107.6	91	XIV	D
5/29/01	389	Site Grading	3.0-3.5	14.2	107.3	91	XIV	D
5/29/01	390	Site Grading	2.5-3.0	13.1	109.2	90	III	S
5/29/01	391	Site Grading	2.5-3.0	13.6	110.9	92	III	S
5/29/01	392	Site Grading	2.0-2.5	13.2	107.1	93	XI	D
5/30/01	393	Site Grading	0.0-0.5	12.1	115.0	94	XIV	D
5/31/01	394	Excavation Bkfl.	27.0-27.5	12.5	111.7	91	I	S
5/31/01	395	Excavation Bkfl.	25.5-26.0	12.8	111.4	92	III	S
5/31/01	396	Excavation Bkfl.	24.0-24.5	13.1	110.8	92	III	S
5/31/01	397	Excavation Bkfl.	22.0-22.5	12.3	112.7	90	II	D
5/31/01	398	Excavation Bkfl.	20.5-21.0	11.9	113.6	91	II	S
5/31/01	399	Excavation Bkfl.	19.0-19.5	13.2	109.2	93	XIV	D
6/1/01	400	Excavation Bkfl.	17.5-18.0	13.7	108.5	92	XIV	D
6/1/01	400A**	Excavation Bkfl.	17.5-18.0	17.1	102.4	87	XIV	D
6/1/01	401	Excavation Bkfl.	16.0-16.5	15.8	109.5	93	XIV	S
6/1/01	402	Excavation Bkfl.	15.0-15.5	13.2	104.9	91	XI	D
6/1/01	403	Excavation Bkfl.	13.0-13.5	12.2	112.6	92	IV	D
6/1/01	404	Excavation Bkfl.	11.5-12.0	12.7	112.9	93	IV	D

**Retest of failing tests after area reworked
S= Sand Cone Method
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/1/01	405	Excavation Bkfl.	10.0-10.5	12.9	107.7	92	VI	S
6/4/01	406	Excavation Bkfl.	22.0-22.5	14.0	110.5	94	XIV	D
6/4/01	407	Excavation Bkfl.	8.5-9.0	13.7	110.8	93	XIV	D
6/4/01	408	Excavation Bkfl.	20.0-20.5	13.2	109.8	93	XIV	S
6/4/01	409	Excavation Bkfl.	20.0-20.5	13.2	101.3	91	X	D
6/4/01	410	Excavation Bkfl.	18.0-18.5	13.6	103.4	93	X	D
6/4/01	411	Excavation Bkfl.	16.0-16.5	13.4	107.2	91	VI	D
6/4/01	412	Excavation Bkfl.	18.0-18.5	13.8	104.8	91	XI	S
6/4/01	413	Excavation Bkfl.	16.0-16.5	14.7	106.5	90	XIV	D
6/5/01	414	Excavation Bkfl.	14.0-14.5	12.8	108.8	92	XIV	D
6/5/01	415	Excavation Bkfl.	12.0-12.5	13.9	107.9	92	XIV	D
6/5/01	416	Excavation Bkfl.	14.0-14.5	12.8	104.8	91	XI	S
6/5/01	417	Excavation Bkfl.	12.0-12.5	12.4	107.9	94	XI	D
6/5/01	418	Excavation Bkfl.	20.0-20.5	13.0	110.6	94	XIV	D
6/5/01	419	Excavation Bkfl.	18.0-18.5	13.2	109.4	93	VI	D
6/5/01	420	Excavation Bkfl.	16.0-16.5	13.3	110.8	91	IV	S
6/5/01	421	Excavation Bkfl.	14.5-15.0	12.5	112.3	92	IV	D
6/5/01	422	Excavation Bkfl.	13.0-13.5	12.8	110.4	91	III	S
6/5/01	423	Excavation Bkfl.	12.0-12.5	12.3	112.7	90	II	D
6/5/01	424	Excavation Bkfl.	10.5-11.0	11.9	114.6	92	II	S
6/5/01	425	Excavation Bkfl.	10.0-10.5	12.2	108.9	92	XIV	D
6/5/01	426	Excavation Bkfl.	8.0-8.5	12.8	113.6	93	IV	D
6/5/01	427	Excavation Bkfl.	8.5-9.0	13.2	109.9	93	XIV	D
6/5/01	428	Excavation Bkfl.	10.0-10.5	14.3	108.8	92	XIV	S
6/5/01	429	Excavation Bkfl.	8.0-8.5	12.2	109.8	92	XIV	D
6/6/01	430	Excavation Bkfl.	20.0-20.5	14.1	104.5	88	XIV	S
6/6/01	430A**	Excavation Bkfl.	20.0-20.5	15.1	112.1	95	XIV	S
6/6/01	431	Excavation Bkfl.	18.0-18.5	15.3	109.2	92	XIV	D
6/6/01	432	Excavation Bkfl.	17.0-17.5	15.1	112.9	95	XIV	D
6/6/01	433	Excavation Bkfl.	15.5-16.0	13.7	101.4	91	X	D
6/6/01	434	Excavation Bkfl.	13.0-13.5	13.9	100.8	91	X	S
6/6/01	435	Excavation Bkfl.	11.0-11.5	12.6	114.6	92	II	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/6/01	436	Excavation Bkfl.	10.0-10.5	13.1	113.6	94	III	S
6/6/01	437	Excavation Bkfl.	8.0-8.5	12.6	113.9	91	II	S
6/7/01	438	Site Grading	6.0-6.5	15.2	112.1	95	XIV	D
6/7/01	439	Site Grading	6.0-6.5	15.4	112.6	95	XIV	D
6/7/01	440	Site Grading	5.5-6.0	13.9	114.0	96	XIV	D
6/7/01	441	Site Grading	5.0-5.5	14.5	112.3	95	XIV	S
6/7/01	442	Site Grading	4.5-5.0	14.2	110.1	93	XIV	D
6/7/01	443	Site Grading	5.0-5.5	13.7	107.6	91	XIV	D
6/8/01	444	Site Grading	7.0-7.5	12.1	112.2	91	I	S
6/8/01	445	Site Grading	7.0-7.5	11.8	118.2	93	V	D
6/8/01	446	Site Grading	6.0-6.5	14.9	114.7	97	XIV	D
6/8/01	447	Site Grading	4.0-4.5	14.8	114.1	96	XIV	D
6/8/01	448	Site Grading	5.0-5.5	12.1	119.5	93	V	S
6/8/01	449	Site Grading	3.0-3.5	13.7	111.6	94	XIV	S
6/8/01	450	Site Grading	3.0-3.5	11.7	115.7	90	V	D
6/8/01	451	Site Grading	3.0-3.5	13.4	113.6	96	XIV	D
6/8/01	452	Site Grading	3.0-3.5	13.8	114.9	97	XIV	D
6/11/01	453	Site Grading	5.0-5.5	13.2	108.8	92	XIV	S
6/11/01	454	Site Grading	5.0-5.5	12.8	103.6	90	XI	D
6/11/01	455	Site Grading	4.0-4.5	13.5	101.3	91	X	D
6/11/01	456	Site Grading	4.0-4.5	13.8	103.0	93	X	D
6/11/01	457	Site Grading	3.0-3.5	13.2	107.6	91	XIV	S
6/11/01	458	Site Grading	3.5-4.0	13.8	100.3	90	X	D
6/11/01	458A**	Site Grading	3.5-4.0	16.3	96.4	87	X	D
6/11/01	459	Site Grading	3.0-3.5	11.2	118.9	98	III	S
6/11/01	460	Site Grading	2.0-2.5	10.1	103.5	88	XIV	D
6/11/01	460A**	Site Grading	2.0-2.5	14.3	107.6	91	XIV	D
6/11/01	461	Site Grading	2.0-2.5	13.7	113.4	96	XIV	D
6/12/01	462	Site Grading	2.0-2.5	14.7	113.1	96	XIV	D
6/12/01	463	Site Grading	2.0-2.5	14.9	111.3	94	XIV	S
6/12/01	464	Site Grading	4.0-4.5	13.5	112.7	96	XIV	D
6/12/01	465	Site Grading	4.5-5.0	14.4	101.2	91	X	D

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6/12/01	466	Site Grading	5.0-5.5	13.9	106.0	92	XI	D
6/12/01	467	Site Grading	4.0-4.5	12.7	105.4	94	IX	S
6/13/01	468	Site Grading	8.0-8.5	13.6	115.9	98	XIV	D
6/13/01	469	Site Grading	0.0-0.5	12.9	115.5	97	XIV	D
6/13/01	470	Site Grading	7.0-7.5	13.2	109.9	93	XIV	D
6/13/01	471	Site Grading	6.5-7.0	13.1	110.3	91	III	S
6/13/01	472	Site Grading	5.5-6.0	12.9	108.7	90	III	S
6/13/01	473	Site Grading	4.0-4.5	13.6	111.4	91	IV	D
6/14/01	474	Site Grading	7.0-7.5	13.2	102.8	87	XIV	D
6/14/01	474A**	Site Grading	7.0-7.5	14.9	109.6	93	XIV	D
6/14/01	475	Site Grading	6.0-6.5	13.3	112.2	95	XIV	S
6/14/01	476	Site Grading	5.0-5.5	14.6	110.8	94	XIV	D
6/14/01	477	Site Grading	5.0-5.5	14.5	112.6	95	XIV	D
6/14/01	478	Site Grading	4.0-4.5	13.9	112.2	95	XIV	D
6/14/01	479	Site Grading	8.0-8.5	13.6	111.4	94	XIV	S
6/15/01	480	Site Grading	7.0-7.5	12.4	112.0	95	XIV	D
6/15/01	481	Site Grading	6.0-6.5	13.1	114.1	96	XIV	D
6/15/01	482	Site Grading	5.0-5.5	13.4	112.3	95	XIV	D
6/15/01	483	Site Grading	5.0-5.5	12.4	115.3	97	XIV	S
6/15/01	484	Site Grading	5.0-5.5	13.7	115.2	97	XIV	D
6/15/01	485	Site Grading	4.0-4.5	14.6	113.1	96	XIV	D
6/18/01	486	Site Grading	12.0-12.5	13.7	109.7	93	XIV	D
6/18/01	487	Site Grading	3.0-3.5	13.8	109.0	93	VI	S
6/18/01	488	Site Grading	2.0-2.5	13.1	108.2	92	VI	D
6/18/01	489	Site Grading	2.5-3.0	12.9	105.5	92	XI	D
6/18/01	490	Site Grading	1.5-2.0	12.7	104.7	91	XI	D
6/18/01	491	Site Grading	1.0-1.5	13.5	111.2	94	XIV	S
6/18/01	492	Site Grading	11.0-11.5	13.3	103.6	93	X	D
6/18/01	493	Site Grading	9.5-10.0	13.6	101.4	91	X	D
6/18/01	494	Site Grading	8.0-8.5	14.4	101.7	92	X	D
6/18/01	495	Site Grading	6.0-6.5	13.9	104.3	94	X	D
6/18/01	496	Site Grading	5.0-5.5	13.2	110.6	93	XIV	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/18/01	497	Site Grading	6.0-6.5	13.7	103.2	93	X	D
6/18/01	498	Site Grading	5.0-5.5	13.8	110.5	91	III	S
6/19/01	499	Site Grading	5.0-5.5	13.1	110.6	91	III	S
6/19/01	500	Site Grading	4.0-4.5	12.8	112.3	92	III	S
6/19/01	501	Site Grading	4.0-4.5	13.3	107.4	88	III	S
6/19/01	501A**	Site Grading	4.0-4.5	12.9	113.2	93	III	S
6/19/01	502	Site Grading	3.0-3.5	14.3	109.6	92	XIV	D
6/19/01	503	Site Grading	3.0-3.5	13.1	112.5	93	III	S
6/20/01	504	Site Grading	11.0-11.5	13.6	113.5	96	XIV	D
6/20/01	505	Site Grading	9.5-10.0	11.8	102.3	91	IX	D
6/20/01	506	Site Grading	8.0-8.5	14.5	109.6	93	XIV	D
6/20/01	507	Site Grading	1.0-1.5	13.8	111.8	95	XIV	S
6/20/01	508	Site Grading	0.0-0.5	13.4	110.9	94	XIV	D
6/20/01	509	Excavation Bkfl.	20.0-20.5	14.2	107.8	91	XIV	D
6/20/01	510	Excavation Bkfl.	18.0-18.5	13.7	109.9	93	XIV	D
6/18/01	511	Excavation Bkfl.	16.5-17.0	12.2	111.8	92	IV	S
6/20/01	512	Excavation Bkfl.	15.0-15.5	14.9	108.7	92	XIV	D
6/18/01	513	Excavation Bkfl.	13.5-14.0	14.3	111.3	94	XIV	D
6/18/01	514	Excavation Bkfl.	12.0-12.5	13.6	109.7	93	XIV	D
6/18/01	515	Excavation Bkfl.	11.0-11.5	13.8	100.8	91	X	S
6/20/01	516	Excavation Bkfl.	10.0-10.5	13.6	108.7	92	XIV	S
6/21/01	517	Site Grading	6.0-6.5	14.0	107.8	91	XIV	D
6/21/01	518	Site Grading	10.0-10.5	13.7	110.8	94	XIV	D
6/21/01	519	Site Grading	9.0-9.5	14.1	108.6	92	XIV	D
6/21/01	520	Site Grading	7.0-7.5	13.8	107.6	91	XIV	S
6/21/01	521	Site Grading	6.0-6.5	13.6	110.0	93	XIV	D
6/21/01	522	Site Grading	5.0-5.5	14.3	107.8	91	XIV	D
6/21/01	523	Site Grading	3.0-3.5	13.9	112.3	95	XIV	D
6/21/01	524	Site Grading	1.0-1.5	13.5	110.1	93	XIV	S
6/21/01	525	Site Grading	10.0-10.5	14.1	108.6	92	XIV	D
6/21/01	526	Site Grading	6.0-6.5	13.7	113.6	96	XIV	D
6/21/01	527	Site Grading	9.0-9.5	13.0	110.6	93	XIV	D

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/21/01	528	Site Grading	8.0-8.5	13.8	109.9	93	XIV	S
6/21/01	529	Site Grading	7.0-7.5	13.9	112.2	95	XIV	D
6/21/01	530	Site Grading	6.0-6.5	13.8	109.8	93	XIV	D
6/21/01	531	Site Grading	5.0-5.5	14.2	110.5	94	XIV	D
6/21/01	532	Site Grading	3.0-3.5	13.6	109.7	93	XIV	S
6/22/01	533	Site Grading	13.0-13.5	13.9	110.6	94	XIV	D
6/22/01	534	Site Grading	11.5-12.0	14.1	100.3	90	X	D
6/22/01	535	Site Grading	10.0-10.5	14.7	112.2	95	XIV	D
6/22/01	536	Site Grading	9.0-9.5	12.2	111.3	95	VI	S
6/22/01	537	Site Grading	11.0-11.5	12.4	108.4	92	VI	D
6/22/01	538	Site Grading	11.0-11.5	12.9	109.8	93	VI	D
6/22/01	539	Site Grading	10.0-10.5	12.3	101.5	91	IX	D
6/22/01	540	Site Grading	8.5-9.0	12.6	107.7	92	VI	S
6/22/01	541	Site Grading	9.0-9.5	12.9	109.1	93	VI	D
6/22/01	542	Site Grading	7.0-7.5	13.1	106.6	91	VI	D
6/25/01	543	Site Grading	12.0-12.5	12.7	110.9	94	XIV	D
6/25/01	544	Site Grading	8.5-9.0	14.3	107.6	91	XIV	S
6/25/01	545	Site Grading	8.0-8.5	15.5	109.9	93	XIV	D
6/25/01	546	Site Grading	11.0-11.5	13.9	104.5	93	XV	D
6/25/01	547	Site Grading	10.0-10.5	12.6	106.7	93	XI	D
6/25/01	548	Site Grading	9.5-10.0	10.0	114.5	94	XII	D
6/25/01	549	Site Grading	7.5-8.0	17.2	94.2	84	XV	D
6/25/01	549A**	Site Grading	7.5-8.0	14.3	103.4	92	XV	D
6/25/01	550	Site Grading	8.5-9.0	11.9	107.2	93	XI	S
6/25/01	551	Site Grading	8.0-8.5	14.3	108.2	92	XIV	D
6/25/01	552	Site Grading	9.5-10.0	12.8	106.7	95	XV	D
6/26/01	553	Site Grading	10.0-10.5	10.7	113.2	92	XII	D
6/26/01	554	Site Grading	4.0-4.5	10.3	111.7	91	XII	S
6/26/01	555	Site Grading	5.0-5.5	10.9	114.0	93	XII	D
6/26/01	556	Site Grading	8.0-8.5	10.6	111.8	91	XII	D
6/26/01	557	Site Grading	6.0-6.5	10.7	113.2	92	XII	D
6/26/01	558	Site Grading	9.0-9.5	9.9	112.8	92	XII	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/26/01	559	Site Grading	7.0-7.5	9.7	113.7	93	XII	D
6/26/01	560	Site Grading	5.0-5.5	10.3	112.7	92	XII	S
6/26/01	561	Site Grading	6.5-7.0	10.8	111.5	91	XII	D
6/26/01	562	Site Grading	6.0-6.5	10.5	114.4	93	XII	D
6/26/01	563	Site Grading	7.0-7.5	10.9	112.1	92	XII	D
6/26/01	564	Site Grading	6.0-6.5	10.6	112.8	92	XII	S
6/26/01	565	Site Grading	6.0-6.5	10.7	114.3	93	XII	D
6/26/01	566	Site Grading	6.0-6.5	10.9	112.8	92	XII	D
6/26/01	567	Site Grading	5.0-5.5	10.4	111.5	91	XII	D
6/26/01	568	Site Grading	3.0-3.5	10.3	113.9	93	XII	S
6/27/01	569	Site Grading	10.0-10.5	12.3	113.7	96	XIV	D
6/27/01	570	Site Grading	10.0-10.5	12.6	111.8	95	XIV	D
6/27/01	571	Site Grading	9.0-9.5	12.3	102.2	91	IX	D
6/27/01	572	Site Grading	8.5-9.0	12.1	101.7	91	IX	S
6/27/01	573	Site Grading	8.0-8.5	10.1	112.0	92	XII	D
6/27/01	574	Site Grading	7.0-7.5	13.7	106.4	90	XIV	D
6/27/01	575	Site Grading	7.5-8.0	13.9	108.3	92	XIV	D
6/27/01	576	Site Grading	6.0-6.5	13.1	113.6	93	IV	D
6/27/01	577	Site Grading	6.0-6.5	12.7	115.9	93	II	S
6/28/01	578	Site Grading	9.0-9.5	12.0	108.0	92	XIV	D
6/28/01	579	Site Grading	10.0-10.5	11.8	110.0	93	XIV	D
6/28/01	580	Site Grading	7.0-7.5	12.4	105.8	92	XI	D
6/28/01	581	Site Grading	8.0-8.5	13.0	108.2	94	XI	S
6/28/01	582	Sewer	18.0-18.5	12.0	108.7	95	XI	D
6/28/01	583	Sewer	16.0-16.5	13.8	112.1	92	IV	D
6/28/01	584	Sewer	14.0-14.5	10.9	121.7	95	V	D
6/28/01	585	Sewer	12.0-12.5	12.0	108.6	97	IX	D
6/28/01	586	Sewer	10.0-10.5	16.0	106.3	90	XIV	S
6/28/01	587	Sewer	8.0-8.5	15.0	112.3	95	XIV	D
6/28/01	588	Sewer	6.0-6.5	11.2	122.2	95	V	D
6/28/01	589	Sewer	4.0-4.5	11.3	110.4	96	XI	D
6/28/01	590	Sewer	2.0-2.5	13.9	107.2	93	XI	S

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
6/28/01	591	Sewer	17.0-17.5	11.8	109.3	95	XI	D
6/28/01	592	Sewer	15.0-15.5	14.2	105.5	92	XI	D
6/28/01	593	Sewer	13.0-13.5	12.2	111.9	95	XIV	D
6/29/01	594	Sewer	11.0-11.5	12.0	121.8	95	V	S
6/29/01	595	Sewer	9.0-9.5	10.9	105.9	92	XI	D
6/29/01	596	Sewer	7.0-7.5	10.6	105.8	92	XI	D
6/29/01	597	Sewer	5.0-5.5	12.3	107.2	91	XIV	D
6/29/01	598	Sewer	3.0-3.5	12.6	118.0	94	II	S
6/29/01	599	Sewer	1.0-1.5	11.3	106.3	92	XV	D
6/29/01	600	Site Grading	9.5-10.0	14.8	107.9	92	XIV	D
6/29/01	601	Site Grading	7.0-7.5	15.1	107.6	91	XIV	D
6/29/01	602	Site Grading	6.0-6.5	12.9	111.6	91	IV	D
6/29/01	603	Site Grading	8.0-8.5	12.5	111.8	92	IV	S
6/29/01	604	Site Grading	6.0-6.5	14.6	109.0	92	XIV	D
6/29/01	605	Site Grading	5.0-5.5	14.5	110.9	94	XIV	D
6/29/01	606	Site Grading	4.0-4.5	10.7	113.1	92	XII	D
6/29/01	607	Site Grading	2.0-2.5	13.4	107.4	93	XI	S
7/2/01	608	Site Grading	9.0-9.5	10.1	101.8	88	XI	D
7/2/01	608A**	Site Grading	9.0-9.5	12.0	106.2	92	XI	D
7/2/01	609	Site Grading	11.0-11.5	10.9	111.7	91	XII	D
7/2/01	610	Site Grading	9.0-9.5	13.2	102.3	91	XV	D
7/2/01	611	Site Grading	8.0-8.5	10.4	113.1	92	XII	S
7/2/01	612	Site Grading	7.0-7.5	12.6	112.7	92	IV	D
7/2/01	613	Site Grading	15.0-15.5	13.0	110.6	94	XIV	D
7/2/01	614	Site Grading	14.0-14.5	12.9	101.8	91	XV	D
7/2/01	615	Site Grading	12.5-13.0	15.3	108.7	92	XIV	S
7/2/01	616	Site Grading	11.5-12.0	13.8	106.2	92	XI	D
7/2/01	617	Site Grading	10.0-10.5	13.6	107.3	93	XI	D
7/2/01	618	Site Grading	8.0-8.5	14.3	101.8	92	X	D
7/2/01	619	Site Grading	7.5-8.0	13.7	101.3	91	X	S
7/2/01	620	Site Grading	6.0-6.5	12.4	116.5	95	IV	D
7/2/01	621	Site Grading	6.0-6.5	13.2	113.6	93	IV	D

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/2/01	622	Site Grading	5.0-5.5	13.5	113.6	96	XIV	D
7/2/01	623	Site Grading	5.0-5.5	12.3	112.1	92	IV	S
7/2/01	624	Site Grading	4.0-4.5	12.8	115.2	94	IV	D
7/2/01	625	Site Grading	4.0-4.5	13.0	110.3	90	IV	D
7/2/01	626	Site Grading	3.0-3.5	13.5	113.6	96	XIV	D
7/2/01	627	Sewer	17.0-17.5	13.9	104.1	91	XI	S
7/2/01	628	Sewer	15.0-15.5	15.2	107.8	92	XIV	D
7/2/01	629	Sewer	13.0-13.5	16.7	98.8	88	XV	D
7/2/01	629A**	Sewer	13.0-13.5	14.7	101.7	91	XV	D
7/2/01	630	Sewer	11.0-11.5	13.8	103.2	92	XV	S
7/2/01	631	Sewer	9.0-9.5	14.3	109.5	93	XIV	D
7/3/01	632	Site Grading	2.0-2.5	11.8	112.7	93	III	S
7/3/01	633	Site Grading	1.0-1.5	12.4	111.2	94	XIV	D
7/3/01	634	Site Grading	2.5-3.0	13.9	104.8	91	XI	S
7/3/01	635	Site Grading	3.0-3.5	13.3	110.8	90	XVI	D
7/3/01	636	Site Grading	1.5-2.0	13.1	112.7	92	XVI	D
7/3/01	637	Site Grading	2.0-2.5	12.7	113.2	92	XVI	D
7/3/01	638	Site Grading	9.0-9.5	10.5	113.6	93	XII	S
7/3/01	639	Site Grading	8.0-8.5	14.2	107.6	91	XIV	D
7/3/01	640	Site Grading	7.0-7.5	13.4	103.9	93	XV	D
7/3/01	641	Site Grading	7.5-8.0	13.7	102.0	91	XV	D
7/3/01	642	Site Grading	6.0-6.5	13.1	111.1	90	XVI	S
7/3/01	643	Site Grading	5.0-5.5	12.9	112.8	92	XVI	D
7/5/01	644	Site Grading	8.0-8.5	11.4	106.8	87	XII	D
7/5/01	644A**	Site Grading	8.0-8.5	12.6	104.4	93	XV	D
7/5/01	645	Site Grading	6.5-7.0	13.6	102.3	91	XV	S
7/5/01	646	Site Grading	5.0-5.5	10.7	115.6	94	XII	D
7/5/01	647	Site Grading	4.0-4.5	14.2	110.2	93	XIV	D
7/5/01	648	Site Grading	3.0-3.5	14.6	109.9	93	XIV	D
7/5/01	649	Site Grading	2.0-2.5	10.1	111.7	91	XII	S
7/5/01	650	Sewer	7.0-7.5	13.1	112.2	91	XVI	D
7/5/01	651	Sewer	5.0-5.5	13.2	112.8	92	XVI	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/6/01	652	Sewer	3.0-3.5	10.7	111.4	91	XII	D
7/6/01	653	Sewer	1.0-1.5	14.3	105.6	86	XII	S
7/6/01	653A**	Sewer	1.0-1.5	10.9	111.2	91	XII	S
7/6/01	654	Sewer	16.0-16.5	12.8	110.3	93	XIV	D
7/6/01	655	Sewer	14.0-14.5	13.7	108.7	92	XIV	D
7/6/01	656	Sewer	12.0-12.5	14.1	102.8	92	XV	S
7/9/01	657	Site Grading	8.0-8.5	10.6	112.0	92	XII	D
7/9/01	658	Site Grading	7.0-7.5	12.4	110.0	93	XIV	D
7/9/01	659	Site Grading	6.0-6.5	12.0	108.0	92	XIV	D
7/9/01	660	Site Grading	5.0-5.5	13.0	108.2	94	XI	S
7/9/01	661	Site Grading	4.0-4.5	12.4	105.8	92	XI	D
7/9/01	662	Site Grading	2.5-3.0	12.7	115.3	94	XVI	D
7/9/01	663	Site Grading	1.0-1.5	13.6	110.0	93	XIV	D
7/9/01	664	Site Grading	8.0-8.5	14.1	107.8	91	XIV	D
7/9/01	665	Site Grading	12.0-12.5	13.8	107.6	91	XIV	S
7/9/01	666	Site Grading	10.5-11.0	13.6	102.2	91	XV	D
7/9/01	667	Site Grading	9.0-9.5	10.3	111.7	91	XII	D
7/9/01	668	Site Grading	7.0-7.5	13.1	113.9	93	XVI	D
7/9/01	669	Site Grading	6.0-6.5	10.1	113.2	92	XII	D
7/9/01	670	Site Grading	4.5-5.0	12.7	114.2	93	XVI	S
7/9/01	671	Site Grading	3.0-3.5	10.8	113.7	93	XII	D
7/9/01	672	Site Grading	17.0-17.5	12.3	107.2	91	XIV	D
7/9/01	673	Site Grading	15.5-16.0	10.8	112.4	92	XII	D
7/9/01	674	Site Grading	14.0-14.5	12.0	105.9	92	XI	D
7/9/01	675	Site Grading	12.0-12.5	10.6	110.5	90	XII	S
7/9/01	676	Site Grading	11.0-11.5	11.4	120.4	94	V	D
7/9/01	677	Site Grading	9.5-10.0	13.6	109.4	91	XVII	D
7/9/01	678	Site Grading	8.0-8.5	11.7	117.9	94	II	D
7/9/01	679	Site Grading	7.0-7.5	14.1	110.1	92	XVII	S
7/9/01	680	Site Grading	5.5-6.0	10.9	110.3	90	XII	D
7/9/01	681	Site Grading	4.0-4.5	12.1	121.8	95	V	D
7/10/01	682	Excavation Bkfl.	22.0-22.5	12.0	108.0	92	XIV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/10/01	683	Excavation Bkfl.	20.5-21.0	11.8	112.7	90	II	S
7/10/01	684	Excavation Bkfl.	19.0-19.5	12.4	109.8	91	III	S
7/10/01	685	Excavation Bkfl.	18.0-18.5	10.8	112.8	92	XII	D
7/10/01	686	Excavation Bkfl.	17.0-17.5	12.7	111.5	92	III	S
7/10/01	687	Excavation Bkfl.	16.5-17.0	10.2	113.2	92	XII	D
7/10/01	688	Excavation Bkfl.	16.0-16.5	10.9	112.7	92	XII	S
7/10/01	689	Excavation Bkfl.	15.0-15.5	12.6	114.7	92	II	D
7/10/01	690	Excavation Bkfl.	14.0-14.5	10.2	111.1	91	XII	D
7/10/01	691	Excavation Bkfl.	12.5-13.0	11.5	112.0	93	XVII	D
7/10/01	692	Excavation Bkfl.	11.5-12.0	12.8	109.4	91	XVII	S
7/10/01	693	Excavation Bkfl.	10.0-10.5	13.2	101.2	90	XV	D
7/10/01	694	Sewer	10.0-10.5	14.3	102.3	92	X	D
7/10/01	695	Sewer	8.0-8.5	15.2	101.4	91	X	D
7/10/01	696	Sewer	6.0-6.5	10.9	114.2	93	XII	S
7/11/01	697	Site Grading	14.0-14.5	10.7	106.2	87	XII	D
7/11/01	697A**	Site Grading	14.0-14.5	10.5	114.0	93	XII	D
7/11/01	698	Site Grading	12.0-12.5	10.8	114.3	93	XII	D
7/11/01	699	Site Grading	10.0-10.5	10.6	112.8	92	XII	S
7/11/01	700	Site Grading	13.0-13.5	12.6	111.9	94	XIV	D
7/11/01	701	Site Grading	14.0-14.5	12.4	116.5	95	IV	D
7/11/01	702	Site Grading	12.0-12.5	11.3	115.8	93	II	D
7/11/01	703	Site Grading	10.0-10.5	12.3	112.1	92	IV	D
7/11/01	704	Site Grading	8.0-8.5	13.0	110.3	90	IV	S
7/11/01	705	Site Grading	8.0-8.5	12.4	102.7	92	XV	D
7/11/01	706	Site Grading	7.5-8.0	13.7	101.1	90	XV	D
7/11/01	707	Site Grading	5.5-6.0	13.6	109.6	91	XVII	D
7/11/01	708	Site Grading	4.0-4.5	13.1	112.7	92	XVI	S
7/11/01	709	Site Grading	4.0-4.5	12.8	112.3	91	XVI	D
7/12/01	710	Site Grading	16.0-16.5	12.1	118.0	92	V	D
7/12/01	711	Site Grading	14.5-15.0	13.6	111.6	92	III	S
7/12/01	712	Site Grading	13.0-13.5	13.4	112.9	93	IV	S
7/12/01	713	Site Grading	12.0-12.5	12.8	112.6	92	IV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/12/01	714	Site Grading	11.0-11.5	13.1	109.8	91	III	S
7/12/01	715	Site Grading	10.0-10.5	12.3	108.6	92	XIV	D
7/12/01	716	Site Grading	9.0-9.5	12.7	109.3	93	VI	S
7/12/01	717	Site Grading	8.0-8.5	12.4	106.5	91	VI	D
7/12/01	718	Site Grading	7.0-7.5	10.1	110.4	90	XII	D
7/12/01	719	Site Grading	6.0-6.5	12.5	102.3	91	IX	D
7/12/01	720	Site Grading	4.5-5.0	13.1	101.2	90	XV	S
7/12/01	721	Site Grading	4.0-4.5	10.9	121.7	95	V	D
7/12/01	722	Site Grading	10.0-10.5	10.6	112.8	92	XII	D
7/12/01	723	Site Grading	9.0-9.5	12.2	112.7	92	XVI	D
7/12/01	724	Site Grading	8.0-8.5	13.0	113.8	93	XVI	S
7/12/01	725	Site Grading	7.0-7.5	10.7	112.1	92	XII	D
7/12/01	726	Site Grading	5.0-5.5	10.9	114.4	93	XII	D
7/12/01	727	Site Grading	3.0-3.5	11.8	116.4	91	V	S
7/12/01	728	Site Grading	11.0-11.5	10.4	113.2	92	XII	D
7/12/01	729	Site Grading	9.5-10.0	13.6	103.3	92	XV	D
7/12/01	730	Site Grading	8.0-8.5	12.3	111.3	95	VI	D
7/12/01	731	Site Grading	1.0-1.5	13.9	110.6	94	XIV	D
7/12/01	732	Site Grading	2.0-2.5	10.4	120.0	94	I	S
7/13/01	733	Site Grading	11.0-11.5	12.8	115.2	94	IV	D
7/13/01	734	Site Grading	9.0-9.5	12.4	116.5	95	IV	D
7/13/01	735	Site Grading	7.0-7.5	10.8	101.9	91	IX	D
7/13/01	736	Site Grading	5.0-5.5	13.1	112.5	93	III	S
7/13/01	737	Site Grading	5.0-5.5	13.0	110.6	91	III	S
7/13/01	738	Site Grading	3.5-4.0	13.8	111.2	94	XIV	D
7/13/01	739	Site Grading	2.0-2.5	14.4	107.8	91	XIV	D
7/13/01	740	Site Grading	5.0-5.5	13.9	110.6	94	XIV	D
7/13/01	741	Site Grading	4.0-4.5	12.2	108.4	92	VI	S
7/16/01	742	Site Grading	12.0-12.5	13.6	110.9	94	XIV	D
7/16/01	743	Site Grading	10.5-11.0	12.7	107.2	91	VI	D
7/16/01	744	Site Grading	9.0-9.5	11.9	110.1	93	XIV	D
7/16/01	745	Site Grading	7.0-7.5	11.0	115.3	90	V	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/16/01	746	Site Grading	5.0-5.5	10.0	111.7	91	XII	S
7/16/01	747	Site Grading	3.0-3.5	10.6	113.2	92	XII	D
7/16/01	748	Site Grading	4.0-4.5	10.9	114.2	93	XII	D
7/16/01	749	Site Grading	5.0-5.5	12.0	106.9	91	XIV	D
7/16/01	750	Site Grading	3.0-3.5	14.2	109.9	93	XIV	D
7/16/01	751	Site Grading	2.0-2.5	10.3	112.7	92	XII	S
7/16/01	752	Storm Drain	6.0-6.5	14.6	108.6	92	XIV	D
7/16/01	753	Storm Drain	4.0-4.5	13.7	102.3	92	X	D
7/17/01	754	Storm Drain	2.5-3.0	13.1	105.0	91	XI	D
7/17/01	755	Storm Drain	1.5-2.0	12.7	104.8	91	XI	S
7/17/01	756	Site Grading	4.0-4.5	12.2	106.9	91	XIV	D
7/17/01	757	Site Grading	2.0-2.5	11.8	109.1	92	XIV	D
7/17/01	758	Site Grading	4.0-4.5	10.8	112.8	92	XII	D
7/17/01	759	Site Grading	3.0-3.5	10.7	102.3	89	XI	S
7/17/01	759A**	Site Grading	3.0-3.5	10.6	113.9	93	XII	S
7/17/01	760	Site Grading	2.0-2.5	13.8	108.9	92	XIV	D
7/17/01	761	Site Grading	1.0-1.5	14.2	107.7	91	XIV	D
7/17/01	762	Site Grading	7.0-7.5	14.5	110.9	94	XIV	D
7/18/01	763	Site Grading	4.0-4.5	14.2	110.3	94	XIV	S
7/18/01	764	Site Grading	6.0-6.5	13.4	111.9	95	XIV	D
7/18/01	765	Site Grading	4.5-5.0	12.3	103.2	92	IX	D
7/18/01	766	Site Grading	3.0-3.5	12.5	112.0	92	IV	D
7/18/01	767	Site Grading	4.0-4.5	13.4	107.4	91	XIV	S
7/18/01	768	Site Grading	3.0-3.5	14.5	112.6	92	IV	D
7/18/01	769	Site Grading	2.0-2.5	13.0	114.1	94	IV	D
7/18/01	770	Site Grading	1.0-1.5	12.7	110.9	91	IV	D
7/18/01	771	Site Grading	0.0-0.5	13.5	111.4	94	XIV	S
7/19/01	772	Site Grading	9.0-9.5	12.6	106.5	90	XIV	D
7/19/01	773	Site Grading	8.0-8.5	12.9	102.7	92	XV	D
7/19/01	774	Site Grading	7.0-7.5	13.2	107.7	91	XIV	D
7/19/01	775	Site Grading	6.0-6.5	12.4	103.0	92	XV	S
7/19/01	776	Site Grading	5.0-5.5	12.3	111.8	95	XIV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/19/01	777	Site Grading	3.0-3.5	12.6	109.8	93	VI	D
7/19/01	778	Site Grading	2.0-2.5	12.2	108.9	92	XIV	D
7/19/01	779	Site Grading	1.0-1.5	12.7	104.1	93	XV	S
7/20/01	780	Site Grading	29.0-29.5	13.2	111.3	94	XIV	D
7/20/01	781	Site Grading	8.0-8.5	10.6	119.2	97	XII	D
7/20/01	782	Site Grading	6.0-6.5	10.9	115.7	93	II	S
7/20/01	783	Site Grading	27.0-27.5	12.4	109.4	93	XIV	D
7/20/01	784	Site Grading	25.0-25.5	12.5	111.1	94	XIV	D
7/20/01	785	Site Grading	23.5-24.0	12.9	110.1	90	IV	D
7/20/01	786	Site Grading	22.0-22.5	13.6	111.6	95	XIV	S
7/20/01	787	Site Grading	20.0-20.5	11.0	112.1	91	V	D
7/20/01	788	Site Grading	18.5-19.0	13.2	110.3	91	III	S
7/20/01	789	Site Grading	17.0-17.5	13.9	109.6	93	XIV	S
7/20/01	790	Site Grading	15.0-15.5	13.6	111.5	92	III	S
7/20/01	791	Site Grading	14.0-14.5	10.3	111.5	91	XII	D
7/20/01	792	Site Grading	12.0-12.5	10.7	113.7	93	XII	D
7/20/01	793	Site Grading	10.0-10.5	9.9	112.1	92	XII	S
7/20/01	794	Site Grading	8.5-9.0	12.1	114.7	92	II	D
7/20/01	795	Site Grading	7.0-7.5	10.1	113.9	93	XII	D
7/20/01	796	Site Grading	5.0-5.5	12.6	112.2	93	III	S
7/20/01	797	Site Grading	4.0-4.5	10.8	113.2	92	XII	D
7/23/01	798	Site Grading	6.0-6.5	11.7	113.7	91	II	S
7/23/01	799	Site Grading	5.0-5.5	12.6	113.9	91	II	D
7/23/01	800	Site Grading	4.0-4.5	12.1	102.4	87	XIV	D
7/23/01	800A**	Site Grading	4.0-4.5	13.8	107.9	91	XIV	D
7/23/01	801	Site Grading	4.5-5.0	12.1	112.3	91	XVI	S
7/23/01	802	Site Grading	3.0-3.5	10.9	114.0	93	XII	D
7/23/01	803	Site Grading	2.0-2.5	10.6	114.3	93	XII	D
7/23/01	804	Site Grading	1.0-1.5	10.1	111.8	91	XII	S
7/24/01	805	Site Grading	4.0-4.5	9.1	102.7	87	XIV	D
7/24/01	805A**	Site Grading	4.0-4.5	12.1	109.1	92	XIV	D
7/24/01	806	Site Grading	2.0-2.5	12.7	112.9	92	XVI	D

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
7/24/01	807	Storm Drain	0.0-0.5	13.3	108.7	91	XVII	S
7/24/01	808	Storm Drain	1.0-1.5	13.6	102.3	91	XV	D
7/24/01	809	Site Grading	16.0-16.5	12.0	109.8	93	XIV	D
7/24/01	810	Site Grading	14.0-14.5	11.0	115.0	95	VII	S
7/25/01	811	Site Grading	12.0-12.5	11.4	110.4	91	VII	D
7/25/01	812	Site Grading	10.0-10.5	11.6	112.0	92	VII	D
7/25/01	813	Site Grading	8.0-8.5	11.2	111.5	92	VII	D
7/25/01	814	Site Grading	6.0-6.5	11.7	115.7	95	VII	S
7/25/01	815	Site Grading	11.0-11.5	12.1	105.2	94	XV	D
7/25/01	816	Site Grading	9.0-9.5	12.7	112.6	95	XIV	D
7/25/01	817	Site Grading	7.0-7.5	13.7	102.0	92	X	D
7/25/01	818	Site Grading	5.0-5.5	13.2	103.5	93	X	S
7/26/01	819	Site Grading	12.0-12.5	14.1	110.4	91	XIV	D
7/26/01	820	Site Grading	10.0-10.5	10.1	113.2	92	XII	D
7/26/01	821	Site Grading	8.0-8.5	14.9	109.6	93	XIV	D
7/26/01	822	Site Grading	6.0-6.5	13.5	104.3	94	X	S
7/26/01	823	Site Grading	4.0-4.5	13.6	102.1	92	X	D
7/26/01	824	Site Grading	5.0-5.5	13.0	106.1	92	XI	D
7/26/01	825	Site Grading	3.0-3.5	13.3	104.1	94	X	D
7/26/01	826	Site Grading	4.0-4.5	13.2	103.1	93	X	S
7/27/01	827	Site Grading	8.0-8.5	13.8	112.4	95	XIV	D
7/27/01	828	Site Grading	7.0-7.5	12.7	105.5	95	X	D
7/27/01	829	Site Grading	6.0-6.5	10.3	112.6	92	XII	D
7/27/01	830	Site Grading	5.0-5.5	12.4	115.3	92	II	S
7/27/01	831	Drive App. Sg.	0.0-0.5	8.7	103.5	93	X	S
7/27/01	832	Drive App. Sg.	0.0-0.5	10.1	116.5	91	V	S
7/27/01	833	Drive App. Sg.	0.0-0.5	11.1	109.2	90	III	S
7/27/01	834	Storm Drain	7.0-7.5	12.4	115.6	95	VII	D
7/27/01	835	Storm Drain	5.0-5.5	12.7	110.3	91	III	S
7/27/01	836	Storm Drain	3.0-3.5	13.1	111.0	91	IV	D
7/27/01	837	Storm Drain	2.0-2.5	12.9	112.7	92	IV	S
7/27/01	838	Storm Drain	1.5-2.0	14.2	103.4	93	X	D

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7/30/01	839	Storm Drain	3.0-3.5	12.2	113.3	93	VII	D
7/30/01	840	Storm Drain	1.0-1.5	10.9	115.4	92	II	D
7/30/01	841	Site Grading	4.0-4.5	12.6	111.9	94	XIV	D
7/30/01	842	Site Grading	3.0-3.5	13.0	110.3	90	IV	S
7/30/01	843	Site Grading	9.0-9.5	13.1	111.4	94	XIV	D
7/30/01	844	Site Grading	7.0-7.5	12.1	110.7	94	VII	D
7/30/01	845	Site Grading	5.0-5.5	13.2	103.3	93	X	D
7/30/01	846	Site Grading	3.0-3.5	11.9	114.7	94	VII	S
7/31/01	847	Site Grading	13.0-13.5	13.3	112.0	95	XIV	D
7/31/01	848	Site Grading	11.0-11.5	12.2	108.7	93	VI	D
7/31/01	849	Site Grading	9.0-9.5	11.7	109.8	90	IV	D
7/31/01	850	Site Grading	7.0-7.5	12.1	119.6	93	V	S
7/31/01	851	Site Grading	5.0-5.5	13.2	110.1	91	VII	D
7/31/01	852	Site Grading	4.0-4.5	13.7	109.6	91	III	S
7/31/01	853	Site Grading	3.0-3.5	13.9	103.1	87	XIV	D
7/31/01	853A**	Site Grading	3.0-3.5	14.1	106.9	91	XIV	D
7/31/01	854	Site Grading	2.0-2.5	12.1	114.1	94	VII	D
8/1/01	855	Site Grading	12.0-12.5	12.7	111.8	95	XIV	D
8/1/01	856	Site Grading	11.0-11.5	13.7	109.9	91	III	S
8/1/01	857	Site Grading	10.0-10.5	13.2	111.3	92	III	S
8/1/01	858	Site Grading	8.0-8.5	11.2	114.2	91	II	D
8/1/01	859	Site Grading	6.0-6.5	11.6	116.0	94	I	D
8/1/01	860	Site Grading	4.0-4.5	10.8	112.8	93	III	S
8/1/01	861	Site Grading	2.0-2.5	12.8	110.3	91	VII	S
8/2/01	862	Site Grading	16.0-16.5	12.3	110.4	94	XIV	D
8/2/01	863	Site Grading	14.0-14.5	10.3	116.0	93	II	D
8/2/01	864	Site Grading	12.0-12.5	10.7	112.7	92	XII	D
8/2/01	865	Site Grading	10.0-10.5	11.5	118.6	93	V	S
8/2/01	866	Site Grading	9.0-9.5	10.3	14.1	93	XII	D
8/2/01	867	Site Grading	7.0-7.5	10.8	110.8	90	XII	D
8/2/01	868	Site Grading	5.0-5.5	11.4	112.2	92	IV	D
8/2/01	869	Site Grading	3.0-3.5	11.9	110.0	93	XIV	S

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8/3/01	870	Site Grading	17.0-17.5	14.1	110.4	94	XIV	D
8/3/01	871	Site Grading	15.0-15.5	12.2	114.9	94	IV	D
8/3/01	872	Site Grading	13.0-13.5	11.6	114.6	94	IV	D
8/3/01	873	Site Grading	11.0-11.5	13.5	103.2	93	X	S
8/3/01	874	Storm Drain	5.0-5.5	10.6	115.4	94	XII	D
8/3/01	875	Storm Drain	3.0-3.5	10.9	112.2	92	XII	D
8/3/01	876	Storm Drain	1.5-2.0	13.1	109.4	90	VII	D
8/3/01	877	Storm Drain	0.0-0.5	10.3	111.2	91	XII	S
8/3/01	878	Site Grading	8.0-8.5	10.5	115.0	94	XII	D
8/3/01	879	Site Grading	6.0-6.5	10.6	113.7	93	XII	D
8/3/01	880	Site Grading	4.0-4.5	10.2	110.9	91	XII	D
8/3/01	881	Site Grading	2.0-2.5	13.1	106.2	90	XIV	S
8/6/01	882	Site Grading	15.0-15.5	12.3	112.3	95	XIV	D
8/6/01	883	Site Grading	13.0-13.5	11.2	115.3	92	II	D
8/6/01	884	Site Grading	11.0-11.5	12.4	104.0	88	XIV	S
8/6/01	884A**	Site Grading	11.0-11.5	11.5	111.2	94	XIV	S
8/6/01	885	Site Grading	9.0-9.5	12.8	112.5	93	VII	D
8/6/01	886	Site Grading	7.0-7.5	12.0	112.5	93	VII	D
8/6/01	887	Site Grading	5.0-5.5	12.3	113.7	94	VII	D
8/6/01	888	Site Grading	3.0-3.5	11.8	122.3	95	V	S
8/6/01	889	Site Grading	14.0-14.5	11.9	113.7	96	XIV	D
8/6/01	890	Site Grading	13.0-13.5	11.9	113.1	93	IV	D
8/6/01	891	Site Grading	12.0-12.5	10.4	116.8	91	V	D
8/6/01	892	Site Grading	10.0-10.5	11.4	111.3	92	III	S
8/6/01	893	Site Grading	8.0-8.5	10.2	112.3	92	IV	S
8/6/01	894	Site Grading	6.0-6.5	10.1	111.5	91	XII	D
8/6/01	895	Site Grading	4.0-4.5	10.6	113.7	93	XII	D
8/6/01	896	Site Grading	3.0-3.5	10.8	111.7	91	XII	D
8/6/01	897	Site Grading	2.0-2.5	11.4	116.8	91	V	S
8/7/01	898	Site Grading	16.0-16.5	12.4	112.0	95	XIV	D
8/7/01	899	Site Grading	14.0-14.5	12.8	109.9	96	XI	D
8/7/01	900	Site Grading	12.0-12.5	12.3	114.2	91	II	D

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8/7/01	901	Site Grading	10.0-10.5	12.7	112.8	93	III	S
8/7/01	902	Site Grading	13.0-13.5	10.8	114.4	93	XII	D
8/7/01	903	Site Grading	11.0-11.5	10.3	113.2	92	XII	D
8/7/01	904	Site Grading	8.0-8.5	10.5	113.9	93	XII	D
8/7/01	905	Site Grading	6.0-6.5	10.0	114.2	93	XII	S
8/8/01	906	Site Grading	5.0-5.5	10.6	113.7	93	XII	D
8/8/01	907	Site Grading	3.0-3.5	10.8	111.8	92	XII	D
8/8/01	908	Site Grading	7.0-7.5	10.5	114.7	93	XII	D
8/8/01	909	Site Grading	5.0-5.5	10.8	111.8	91	XII	S
8/8/01	910	Site Grading	4.0-4.5	12.1	110.6	91	III	S
8/8/01	911	Site Grading	3.0-3.5	10.7	112.8	93	XII	D
8/8/01	912	Site Grading	14.0-14.5	12.0	111.6	95	XIV	D
8/8/01	913	Site Grading	12.0-12.5	13.7	112.2	95	XIV	S
8/8/01	914	Site Grading	10.0-10.5	11.8	113.5	93	IV	D
8/8/01	915	Site Grading	9.0-9.5	12.3	110.4	90	IV	D
8/8/01	916	Site Grading	7.0-7.5	11.9	111.7	92	VII	D
8/8/01	917	Site Grading	6.0-6.5	12.1	108.9	89	IV	S
8/8/01	917A**	Site Grading	6.0-6.5	11.7	112.6	92	IV	S
8/8/01	918	Site Grading	4.0-4.5	11.8	112.7	93	VII	D
8/8/01	919	Site Grading	3.0-3.5	12.1	114.2	94	VII	D
8/8/01	920	Site Grading	2.0-2.5	11.9	117.9	92	V	S
8/8/01	921	Site Grading	12.0-12.5	13.3	112.0	95	XIV	D
8/8/01	922	Site Grading	10.0-10.5	12.7	110.2	91	III	S
8/8/01	923	Site Grading	8.0-8.5	10.0	114.1	93	XII	D
8/8/01	924	Site Grading	7.0-7.5	13.1	111.8	92	VII	S
8/9/01	925	Site Grading	12.0-12.5	13.3	115.6	97	XIV	D
8/9/01	926	Site Grading	10.0-10.5	10.3	111.3	91	XII	D
8/9/01	927	Site Grading	8.0-8.5	9.9	112.6	92	XII	D
8/9/01	928	Site Grading	6.0-6.5	12.2	106.3	90	XIV	S
8/9/01	929	Site Grading	5.0-5.5	10.8	116.6	95	XII	D
8/9/01	930	Site Grading	14.0-14.5	12.8	108.8	92	XIV	D
8/9/01	931	Site Grading	12.0-12.5	12.3	112.7	92	IV	D

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8/9/01	932	Site Grading	10.0-10.5	12.6	110.7	91	VII	S
8/9/01	933	Site Grading	8.0-8.5	12.8	114.9	94	IV	D
8/9/01	934	Site Grading	4.0-4.5	12.2	110.8	94	VI	D
8/9/01	935	Site Grading	2.0-2.5	13.2	106.3	92	XI	D
8/9/01	936	Site Grading	6.0-6.5	12.8	108.2	94	XI	S
8/9/01	937	Site Grading	4.0-4.5	10.2	113.1	92	XII	D
8/9/01	938	Site Grading	2.0-2.5	10.1	113.5	93	XII	D
8/10/01	939	Site Grading	12.0-12.5	10.6	104.8	88	XIV	S
8/10/01	939A**	Site Grading	12.0-12.5	11.9	110.1	93	XIV	S
8/10/01	940	Site Grading	10.0-10.5	9.8	111.7	91	XII	D
8/10/01	941	Site Grading	8.0-8.5	10.8	111.9	91	XII	D
8/10/01	942	Site Grading	6.5-7.0	13.7	100.3	90	X	D
8/10/01	943	Site Grading	5.0-5.5	10.6	113.2	92	XII	D
8/10/01	944	Site Grading	3.0-3.5	10.3	115.8	95	XII	S
8/13/01	945	Site Grading	10.0-10.5	11.7	112.6	92	IV	D
8/13/01	946	Site Grading	9.0-9.5	11.8	112.7	93	VII	D
8/13/01	947	Site Grading	8.0-8.5	12.1	114.2	94	VII	D
8/13/01	948	Site Grading	6.0-6.5	11.9	117.9	92	V	S
8/13/01	949	Site Grading	4.0-4.5	11.8	117.5	93	IV	D
8/13/01	950	Site Grading	3.0-3.5	12.3	110.4	90	IV	D
8/13/01	951	Site Grading	2.0-2.5	11.9	110.7	92	VII	D
8/13/01	952	Site Grading	2.5-3.0	8.7	104.7	86	IV	D
8/13/01	952A**	Site Grading	2.5-3.0	11.3	111.9	92	IV	D
8/14/01	953	Site Grading	11.0-11.5	13.2	114.2	96	XIV	S
8/14/01	954	Site Grading	9.0-9.5	10.8	114.4	93	XII	D
8/14/01	955	Site Grading	7.0-7.5	10.3	113.2	92	XII	D
8/14/01	956	Site Grading	5.0-5.5	10.5	113.9	93	XII	D
8/14/01	957	Site Grading	4.0-4.5	12.9	107.1	91	XIV	S
8/14/01	958	Site Grading	3.0-3.5	12.4	101.8	91	IX	D
8/14/01	959	Site Grading	15.0-15.5	11.9	113.2	96	XIV	D
8/14/01	960	Site Grading	13.0-13.5	11.2	106.1	92	XI	D
8/14/01	961	Site Grading	11.0-11.5	10.0	110.8	90	XII	D

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8/14/01	962	Site Grading	9.5-10.0	13.6	102.3	92	X	S
8/14/01	963	Site Grading	8.0-8.5	10.7	113.8	93	XII	D
8/14/01	964	Site Grading	7.0-7.5	11.7	102.4	91	IX	D
8/14/01	965	Site Grading	5.5-6.0	12.3	111.7	92	IV	D
8/14/01	966	Site Grading	4.0-4.5	12.7	112.3	92	IV	S
8/15/01	967	Site Grading	16.0-16.5	12.1	108.2	92	XIV	D
8/15/01	968	Site Grading	14.0-14.5	11.7	110.1	91	III	S
8/15/01	969	Site Grading	12.0-12.5	10.7	110.3	91	III	S
8/15/01	970	Site Grading	10.0-10.5	10.6	112.9	93	III	S
8/15/01	971	Site Grading	8.0-8.5	11.1	112.5	93	III	S
8/15/01	972	Site Grading	6.0-6.5	11.3	114.0	93	III	S
8/15/01	973	Site Grading	4.0-4.5	10.6	112.1	93	II	D
8/15/01	974	Site Grading	2.0-2.5	11.5	110.4	91	III	S
8/15/01	975	Site Grading	6.0-6.5	10.2	115.2	94	XII	D
8/15/01	976	Site Grading	4.0-4.5	11.6	111.1	91	IV	D
8/15/01	977	Site Grading	2.0-2.5	10.4	107.7	88	XII	S
8/15/01	977A**	Site Grading	2.0-2.5	10.8	114.5	94	XII	S
8/16/01	978	Site Grading	12.0-12.5	12.2	113.6	96	XIV	D
8/16/01	979	Site Grading	11.0-11.5	12.1	101.4	90	IX	D
8/16/01	980	Site Grading	10.0-10.5	10.4	110.5	91	IV	D
8/16/01	981	Site Grading	9.0-9.5	13.8	100.8	91	X	S
8/16/01	982	Site Grading	8.0-8.5	10.6	113.9	93	IV	D
8/16/01	983	Site Grading	7.0-7.5	14.2	101.2	91	X	D
8/16/01	984	Site Grading	6.0-6.5	11.8	108.4	92	VI	S
8/17/01	985	Site Grading	4.0-4.5	11.4	109.5	90	III	S
8/17/01	986	Site Grading	2.0-2.5	10.3	113.4	93	XII	D
8/17/01	987	Storm Drain	2.0-2.5	12.5	110.1	91	VII	D
8/17/01	988	Storm Drain	0.0-0.5	12.8	112.3	92	IV	S
8/17/01	989	Site Grading	14.0-14.5	11.9	111.9	95	XIV	D
8/17/01	990	Site Grading	12.0-12.5	10.4	115.9	95	XII	D
8/17/01	991	Site Grading	10.0-10.5	10.6	113.0	92	XII	D
8/17/01	992	Site Grading	8.0-8.5	10.2	115.5	94	XII	S

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
8/17/01	993	Site Grading	7.0-7.5	13.6	103.3	92	XV	D
8/17/01	994	Site Grading	6.0-6.5	13.3	102.1	91	XV	D
8/17/01	995	Site Grading	5.0-5.5	12.4	111.6	91	XVI	S
8/20/01	996	Site Grading	13.0-13.5	12.2	112.7	96	XIV	D
8/20/01	997	Site Grading	11.0-11.5	11.2	112.4	93	III	S
8/20/01	998	Site Grading	9.0-9.5	10.4	115.9	93	II	D
8/20/01	999	Site Grading	7.0-7.5	12.0	104.4	94	X	S
8/20/01	1000	Site Grading	5.0-5.5	10.7	113.8	93	IV	D
8/20/01	1001	Site Grading	6.0-6.5	10.3	113.5	93	IV	D
8/20/01	1002	Site Grading	5.0-5.5	14.7	108.3	88	XVI	S
8/20/01	1002A**	Site Grading	5.0-5.5	13.1	112.8	92	XVI	S
8/20/01	1003	Site Grading	3.5-4.0	14.2	103.1	93	X	D
8/20/01	1004	Site Grading	2.0-2.5	9.6	117.7	92	V	D
8/20/01	1005	Site Grading	3.0-3.5	9.4	114.0	91	II	S
8/20/01	1006	Site Grading	13.0-13.5	12.7	115.6	98	XIV	D
8/20/01	1007	Site Grading	11.0-11.5	10.1	121.6	92	XII	D
8/20/01	1008	Site Grading	9.0-9.5	11.3	114.2	94	III	S
8/20/01	1009	Site Grading	7.0-7.5	10.7	111.6	92	III	S
8/21/01	1010	Site Grading	5.0-5.5	10.2	116.1	95	XII	D
8/21/01	1011	Site Grading	3.0-3.5	10.9	113.5	94	III	S
8/21/01	1012	Site Grading	14.0-14.5	12.3	114.7	97	XIV	D
8/21/01	1013	Site Grading	12.0-12.5	11.9	101.1	90	XV	S
8/21/01	1014	Site Grading	10.0-10.5	11.2	109.7	91	III	S
8/21/01	1015	Site Grading	8.0-8.5	10.9	114.5	93	XII	D
8/21/01	1016	Site Grading	6.0-6.5	11.6	111.2	92	III	S
8/21/01	1017	Site Grading	4.0-4.5	10.0	108.2	88	XII	S
8/21/01	1017A**	Site Grading	4.0-4.5	10.3	114.6	94	XII	S
8/21/01	1018	Site Grading	2.0-2.5	11.4	113.5	91	II	D
8/21/01	1019	Site Grading	23.0-23.5	14.6	113.4	96	XIV	D
8/21/01	1020	Site Grading	21.5-22.0	11.9	102.2	91	IX	
8/21/01	1021	Site Grading	20.0-20.5	12.1	105.5	92	XI	S
8/22/01	1022	Site Grading	18.0-18.5	13.3	111.3	94	XIV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
8/22/01	1023	Site Grading	16.0-16.5	11.3	113.5	91	II	D
8/22/01	1024	Site Grading	14.0-14.5	11.1	116.1	93	II	D
8/22/01	1025	Site Grading	12.0-12.5	13.0	108.3	92	VI	S
8/22/01	1026	Site Grading	10.0-10.5	12.1	111.6	92	III	S
8/22/01	1027	Site Grading	8.0-8.5	10.6	115.7	93	II	D
8/22/01	1028	Site Grading	6.0-6.5	11.4	113.1	90	II	D
8/23/01	1029	Site Grading	4.0-4.5	10.8	106.0	90	VI	S
8/23/01	1030	Site Grading	3.0-3.5	12.3	113.6	93	IV	D
8/23/01	1031	Site Grading	11.0-11.5	13.8	108.3	92	XIV	D
8/23/01	1032	Site Grading	10.0-10.5	12.4	113.4	96	XIV	D
8/23/01	1033	Site Grading	8.0-8.5	10.8	114.6	94	IV	S
8/23/01	1034	Site Grading	6.0-6.5	11.4	111.3	91	IV	D
8/23/01	1035	Site Grading	4.0-4.5	11.1	104.9	91	XI	S
8/23/01	1036	Site Grading	3.0-3.5	13.4	106.1	92	XI	D
8/23/01	1037	Site Grading	16.0-16.5	12.3	111.8	95	XIV	D
8/23/01	1038	Site Grading	14.0-14.5	10.2	116.1	91	V	D
8/24/01	1039	Site Grading	12.0-12.5	11.5	113.0	93	IV	D
8/24/01	1040	Site Grading	10.0-10.5	10.9	103.8	90	XI	S
8/24/01	1041	Site Grading	8.5-9.0	13.2	104.4	91	XI	D
8/24/01	1042	Site Grading	7.0-7.5	12.3	101.1	90	IX	D
8/24/01	1043	Site Grading	5.0-5.5	12.6	102.0	91	IX	S
8/24/01	1044	Site Grading	16.0-16.5	14.7	113.7	96	XIV	D
8/24/01	1045	Site Grading	14.0-14.5	10.1	117.1	91	V	D
8/24/01	1046	Site Grading	12.0-12.5	10.6	112.1	92	IV	D
8/24/01	1047	Site Grading	10.5-11.0	13.1	110.8	91	IV	D
8/24/01	1048	Site Grading	9.0-9.5	12.7	110.1	93	XIV	S
8/24/01	1049	Site Grading	7.0-7.5	10.8	112.8	92	IV	D
8/24/01	1050	Site Grading	5.0-5.5	11.3	113.2	93	IV	D
8/24/01	1051	Site Grading	4.0-4.5	10.3	117.8	92	V	D
8/24/01	1052	Site Grading	2.0-2.5	9.8	116.3	95	XII	S
8/27/01	1053	Site Grading	19.0-19.5	13.2	112.1	95	XIV	D
8/27/01	1054	Site Grading	17.0-17.5	12.2	108.7	93	VI	D

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8/27/01	1055	Site Grading	15.0-15.5	12.0	109.8	93	XIV	D
8/27/01	1056	Site Grading	13.0-13.5	11.9	119.5	93	V	S
8/27/01	1057	Site Grading	11.5-12.0	12.4	109.1	90	III	S
8/27/01	1058	Site Grading	10.0-10.5	12.2	112.5	96	VI	D
8/27/01	1059	Site Grading	8.0-8.5	13.3	109.4	93	XIV	D
8/27/01	1060	Site Grading	6.0-6.5	13.2	103.3	93	X	D
8/27/01	1061	Site Grading	4.0-4.5	12.0	114.3	94	VII	S
8/28/01	1062	Site Grading	14.0-14.5	13.1	114.6	97	XIV	D
8/28/01	1063	Site Grading	13.0-13.5	11.6	113.5	91	II	D
8/28/01	1064	Site Grading	11.5-12.0	14.8	105.4	87	III	S
8/28/01	1064A**	Site Grading	11.5-12.0	14.1	112.1	93	III	S
8/28/01	1065	Site Grading	10.0-10.5	11.9	113.4	91	II	D
8/28/01	1066	Site Grading	8.0-8.5	10.7	105.5	92	XI	S
8/28/01	1067	Site Grading	6.0-6.5	12.6	111.7	92	IV	D
8/29/01	1068	Site Grading	4.0-4.5	13.6	103.8	90	XI	D
8/29/01	1069	Site Grading	2.5-3.0	10.7	112.9	92	XII	D
8/29/01	1070	Site Grading	2.0-2.5	12.7	110.0	91	III	S
8/29/01	1071	Site Grading	5.0-5.5	13.2	106.9	91	VI	D
8/29/01	1072	Site Grading	4.0-4.5	11.9	115.9	93	II	S
8/29/01	1073	Site Grading	3.0-3.5	12.3	112.7	93	III	S
8/29/01	1074	Site Grading	1.0-1.5	12.2	107.8	92	VI	D
8/29/01	1075	Site Grading	3.0-3.5	10.4	113.2	92	XII	D
8/30/01	1076	Site Grading	2.0-2.5	9.7	104.8	89	VI	S
8/30/01	1076A**	Site Grading	2.0-2.5	12.8	107.1	91	VI	S
8/30/01	1077	Site Grading	3.0-3.5	12.7	111.1	92	III	S
8/30/01	1078	Site Grading	2.5-3.0	12.6	116.1	93	II	D
8/30/01	1079	Site Grading	1.5-2.0	12.9	111.8	91	XVI	S
8/30/01	1080	Site Grading	2.0-2.5	12.1	111.5	92	III	S
8/30/01	1081	Site Grading	1.0-1.5	11.8	110.0	91	III	S
8/30/01	1082	Site Grading	1.0-1.5	10.2	14.3	94	IV	D
8/31/01	1083	Curb/Gutter Sg.	0.0-0.5	11.1	103.7	93	X	S
8/31/01	1084	Curb/Gutter Sg.	0.0-0.5	11.2	112.2	91	XVI	D

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
8/31/01	1085	Curb/Gutter Sg.	0.0-0.5	10.9	108.3	90	XVII	D
8/31/01	1086	Curb/Gutter Sg.	0.0-0.5	11.7	110.1	92	XVII	D
8/31/01	1087	Curb/Gutter Sg.	0.0-0.5	11.4	114.2	94	III	S
8/31/01	1088	Curb/Gutter Sg.	0.0-0.5	11.2	119.0	93	V	S
9/4/01	1089	Curb/Gutter Sg.	0.0-0.5	11.6	111.6	92	III	S
9/4/01	1090	Curb/Gutter Sg.	0.0-0.5	11.2	109.3	90	III	S
9/4/01	1091	Curb/Gutter Sg.	0.0-0.5	11.1	116.7	91	V	S
9/4/01	1092	Curb/Gutter Sg.	0.0-0.5	11.5	110.2	91	III	S
9/4/01	1093	Curb/Gutter Sg.	0.0-0.5	11.3	119.0	93	V	S
9/4/01	1094	Site Grading	3.0-3.5	10.7	113.4	94	III	S
9/4/01	1095	Site Grading	2.0-2.5	10.8	116.4	91	V	D
9/4/01	1096	Site Grading	1.0-1.5	11.6	112.6	93	III	S
9/4/01	1097	Site Grading	2.5-3.0	13.2	106.8	91	VI	S
9/4/01	1098	Site Grading	1.5-2.0	13.6	113.7	93	IV	D
9/5/01	1099	Site Grading	12.0-12.5	12.3	110.4	94	XIV	D
9/5/01	1100	Site Grading	11.0-11.5	11.4	111.3	92	III	S
9/5/01	1101	Site Grading	9.0-9.5	11.1	115.3	92	II	D
9/5/01	1102	Site Grading	8.0-8.5	10.3	116.0	93	II	D
9/5/01	1103	Site Grading	6.0-6.5	11.4	112.2	92	IV	D
9/5/01	1104	Site Grading	4.0-4.5	10.2	112.3	92	IV	S
9/6/01	1105	Site Grading	3.5-4.0	13.4	112.4	92	IV	D
9/6/01	1106	Site Grading	2.0-2.5	12.9	109.3	93	VI	D
9/6/01	1107	Site Grading	1.5-2.0	13.2	108.6	87	II	S
9/6/01	1107A**	Site Grading	1.5-2.0	12.5	113.5	91	II	S
9/6/01	1108	Site Grading	1.0-1.5	13.2	113.9	94	III	S
9/6/01	1109	Site Grading	2.0-2.5	11.6	114.6	94	IV	D
9/6/01	1110	Site Grading	1.0-1.5	12.2	114.9	94	IV	D
9/7/01	1111	Site Grading	3.0-3.5	12.8	107.1	91	VI	D
9/7/01	1112	Site Grading	3.5-4.0	13.6	110.0	91	III	S
9/7/01	1113	Site Grading	3.0-3.5	14.1	103.5	93	X	D
9/7/01	1114	Site Grading	1.0-1.5	12.3	104.8	88	XIV	D
9/7/01	1114A**	Site Grading	1.0-1.5	13.1	106.2	90	XIV	D

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9/7/01	1115	Site Grading	1.5-2.0	13.8	106.6	93	XI	S
9/7/01	1116	Site Grading	2.0-2.5	13.4	106.2	92	XI	D
9/7/01	1117	Site Grading	1.0-1.5	14.7	101.3	91	X	D
9/10/01	1118	Site Grading	3.0-3.5	12.7	103.3	92	IX	D
9/10/01	1119	Site Grading	3.5-4.0	12.6	102.4	91	IX	S
9/10/01	1120	Site Grading	2.5-3.0	13.2	108.9	93	VI	D
9/10/01	1121	Site Grading	1.5-2.0	13.5	107.2	91	VI	D
9/10/01	1122	Site Grading	2.0-2.5	12.1	101.0	90	IX	D
9/10/01	1123	Curb/Gutter Base	0.0-0.5	4.1	117.6	92	XVIII	S
9/10/01	1123A**	Curb/Gutter Base	0.0-0.5	8.1	121.9	95	XVIII	S
9/10/01	1124	Curb/Gutter Base	0.0-0.5	5.3	119.2	93	XVIII	S
9/10/01	1124A**	Curb/Gutter Base	0.0-0.5	7.8	122.6	96	XVIII	S
9/10/01	1125	Curb/Gutter Base	0.0-0.5	6.0	116.3	91	XVIII	S
9/10/01	1125A**	Curb/Gutter Base	0.0-0.5	7.6	122.1	95	XVIII	S
9/10/01	1126	Curb/Gutter Base	0.0-0.5	7.9	127.7	96	XVIII	S
9/10/01	1127	Curb/Gutter Base	0.0-0.5	8.9	122.2	95	XVIII	S
9/10/01	1128	Curb/Gutter Base	0.0-0.5	8.4	121.8	95	XVIII	S
9/10/01	1129	Curb/Gutter Base	0.0-0.5	9.1	123.9	97	XVIII	S
9/11/01	1130	Curb/Gutter Base	0.0-0.5	8.3	122.6	96	XVIII	S
9/11/01	1131	Curb/Gutter Base	0.0-0.5	8.7	124.3	97	XVIII	S
9/11/01	1132	Curb/Gutter Base	0.0-0.5	7.6	121.7	95	XVIII	S
9/11/01	1133	Curb/Gutter Base	0.0-0.5	7.9	123.1	96	XVIII	S
9/11/01	1134	Curb/Gutter Base	0.0-0.5	8.1	121.9	95	XVIII	S
9/11/01	1135	Site Grading	3.0-3.5	11.3	104.4	93	IX	D
9/11/01	1136	Site Grading	2.0-2.5	12.1	101.7	91	IX	D
9/11/01	1137	Site Grading	2.5-3.0	13.6	109.4	91	XIX	D
9/11/01	1138	Site Grading	1.5-2.0	14.2	110.9	92	XIX	S
9/12/01	1139	Site Grading	17.0-17.5	13.9	109.6	93	XIV	D
9/12/01	1140	Site Grading	16.0-16.5	10.5	112.0	92	XII	D
9/12/01	1141	Site Grading	15.0-15.5	12.9	107.2	94	XI	D
9/12/01	1142	Site Grading	14.0-14.5	12.3	112.1	92	IV	S
9/12/01	1143	Site Grading	13.0-13.5	12.7	110.3	90	IV	D

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9/12/01	1144	Site Grading	12.0-12.5	10.9	113.6	93	XII	D
9/12/01	1145	Site Grading	12.5-13.0	12.7	112.3	93	XIX	D
9/12/01	1146	Site Grading	13.5-14.0	13.8	109.1	91	XVII	S
9/12/01	1147	Site Grading	11.5-12.0	14.6	108.4	90	XVII	D
9/13/01	1148	Site Grading	20.0-20.5	12.6	111.6	91	I	D
9/13/01	1149	Site Grading	18.0-18.5	13.1	112.8	92	XVI	D
9/13/01	1150	Site Grading	16.5-17.0	12.9	112.2	91	XVI	S
9/13/01	1151	Site Grading	15.0-15.5	12.3	115.9	93	II	D
9/13/01	1152	Site Grading	13.5-14.0	12.7	111.7	93	XIX	D
9/13/01	1153	Site Grading	12.0-12.5	13.8	111.5	92	III	S
9/13/01	1154	Site Grading	11.0-11.5	10.7	113.2	92	XII	D
9/13/01	1155	Site Grading	10.0-10.5	10.1	111.7	91	XII	S
9/13/01	1156	Site Grading	11.0-11.5	13.5	110.8	91	IV	D
9/13/01	1157	Site Grading	9.5-10.0	13.1	109.2	90	III	S
9/13/01	1158	Site Grading	8.0-8.5	13.6	103.7	90	XI	D
9/13/01	1159	Site Grading	7.0-7.5	15.2	100.9	88	XI	S
9/13/01	1159A**	Site Grading	7.0-7.5	13.1	106.7	93	XI	S
9/13/01	1160	Site Grading	8.5-9.0	12.4	112.2	91	XVI	D
9/14/01	1161	Site Grading	9.0-9.5	10.2	112.1	92	XII	D
9/14/01	1162	Site Grading	8.0-8.5	11.8	116.4	91	V	S
9/14/01	1163	Site Grading	7.0-7.5	10.4	120.0	94	V	D
9/14/01	1164	Site Grading	6.0-6.5	13.1	112.5	93	III	S
9/14/01	1165	Site Grading	5.0-5.5	10.1	112.8	92	XII	D
9/14/01	1166	Site Grading	4.0-4.5	12.4	116.5	95	IV	D
9/14/01	1167	Site Grading	3.0-3.5	10.3	110.4	90	XII	D
9/14/01	1168	Site Grading	2.0-2.5	10.7	114.4	93	XII	S
9/14/01	1169	Site Grading	1.5-2.0	12.8	115.2	94	IV	D
9/14/01	1170	Site Grading	1.0-1.5	13.9	110.6	94	XIV	D
9/14/01	1171	Site Grading	14.0-14.5	12.0	109.8	93	XIV	D
9/14/01	1172	Site Grading	12.0-12.5	11.3	115.3	90	V	S
9/14/01	1173	Site Grading	10.0-10.5	10.4	120.0	94	V	D
9/14/01	1174	Site Grading	9.0-9.5	10.7	102.7	87	XIV	D

**Retest of failing tests after area reworked
S= Sand Cone Method
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
9/14/01	1174A**	Site Grading	9.0-9.5	12.5	109.1	92	XIV	D
9/14/01	1175	Site Grading	7.5-8.0	13.6	102.7	92	XV	D
9/14/01	1176	Site Grading	6.0-6.5	10.2	112.1	92	XII	S
9/14/01	1177	Site Grading	4.0-4.5	12.3	111.7	95	VI	D
9/14/01	1178	Site Grading	2.0-2.5	10.4	112.7	92	XII	D
9/14/01	1179	Site Grading	2.5-3.0	14.2	110.3	94	XIV	D
9/14/01	1180	Site Grading	5.0-5.5	12.4	103.0	92	XV	S
9/14/01	1181	Site Grading	3.0-3.5	12.7	104.1	93	XV	D
9/14/01	1182	Site Grading	1.5-2.0	13.7	102.0	92	X	D
9/15/01	1183	Site Grading	10.0-10.5	10.0	114.0	93	XII	D
9/15/01	1184	Site Grading	9.0-9.5	10.1	111.5	91	XII	S
9/15/01	1185	Site Grading	8.5-9.0	13.9	103.2	92	XV	D
9/15/01	1186	Site Grading	7.5-8.0	13.2	109.2	91	XVII	D
9/15/01	1187	Site Grading	7.0-7.5	9.9	114.2	93	XII	D
9/15/01	1188	Site Grading	5.0-5.5	10.5	113.9	93	XII	S
9/15/01	1189	Site Grading	3.0-3.5	10.3	113.2	92	XII	D
9/17/01	1190	Site Grading	5.0-5.5	14.3	103.1	86	XVII	D
9/17/01	1190A**	Site Grading	5.0-5.5	13.6	108.9	91	XVII	D
9/17/01	1191	Site Grading	4.0-4.5	13.9	107.1	93	XI	S
9/17/01	1192	Site Grading	4.5-5.0	12.7	111.8	92	IV	D
9/17/01	1193	Site Grading	3.0-3.5	13.3	110.1	90	IV	D
9/17/01	1194	Site Grading	3.5-4.0	13.9	104.9	91	XX	D
9/17/01	1195	Site Grading	2.0-2.5	14.1	107.2	93	XX	S
9/17/01	1196	Site Grading	3.0-3.5	14.6	110.2	93	XIV	D
9/17/01	1197	Site Grading	2.5-3.0	13.8	102.8	92	XV	D
9/18/01	1198	Site Grading	12.0-12.5	12.8	109.9	96	XI	S
9/18/01	1199	Site Grading	11.0-11.5	13.1	111.4	92	III	S
9/18/01	1200	Site Grading	10.0-10.5	10.6	113.7	93	XII	D
9/18/01	1201	Site Grading	9.0-9.5	13.1	113.6	93	IV	D
9/18/01	1202	Site Grading	8.0-8.5	12.3	110.4	90	IV	D
9/18/01	1203	Site Grading	7.0-7.5	12.6	112.1	92	IV	S
9/18/01	1204	Site Grading	6.0-6.5	12.5	110.2	91	III	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
9/18/01	1205	Site Grading	4.0-4.5	12.9	109.4	90	VII	S
9/18/01	1206	Site Grading	3.0-3.5	13.3	110.3	91	III	S
9/18/01	1207	Site Grading	3.5-4.0	13.6	109.7	91	III	S
9/19/01	1208	Site Grading	5.0-5.5	12.9	108.4	92	VI	D
9/19/01	1209	Site Grading	4.0-4.5	13.2	107.2	91	VI	S
9/19/01	1210	Site Grading	4.5-5.0	12.7	101.1	90	IX	D
9/19/01	1211	Site Grading	3.0-3.5	12.3	107.3	91	VI	D
9/19/01	1212	Site Grading	3.5-4.0	12.4	112.8	92	XVI	D
9/19/01	1213	Site Grading	2.5-3.0	13.1	113.9	93	XVI	S
9/19/01	1214	Site Grading	2.0-2.5	13.6	111.4	93	XVII	D
9/19/01	1215	Site Grading	3.0-3.5	12.2	106.6	91	VI	D
9/19/01	1216	Site Grading	2.0-2.5	12.8	111.5	92	III	S
9/20/01	1217	Site Grading	15.0-15.5	12.0	111.6	95	XIV	S
9/20/01	1218	Site Grading	13.0-13.5	11.4	112.2	92	IV	D
9/20/01	1219	Site Grading	11.0-11.5	10.8	112.7	92	XII	D
9/20/01	1220	Site Grading	10.0-10.5	12.3	100.9	92	III	S
9/20/01	1221	Site Grading	9.0-9.5	11.6	114.6	94	IV	S
9/20/01	1222	Site Grading	7.5-8.0	13.1	101.3	91	X	D
9/20/01	1223	Site Grading	6.0-6.5	10.6	113.7	93	XII	D
9/20/01	1224	Site Grading	4.0-4.5	10.7	110.9	91	XII	D
9/20/01	1225	Site Grading	2.0-2.5	12.0	112.5	93	VII	D
9/20/01	1226	Site Grading	15.0-15.5	13.3	112.0	95	XIV	S
9/20/01	1227	Site Grading	13.0-13.5	11.4	111.3	92	III	S
9/20/01	1228	Site Grading	11.0-11.5	12.0	110.7	94	VII	D
9/20/01	1229	Site Grading	9.0-9.5	12.2	108.7	93	VI	D
9/20/01	1230	Site Grading	8.0-8.5	13.7	109.9	91	III	S
9/20/01	1231	Site Grading	6.0-6.5	10.8	112.8	93	III	S
9/20/01	1232	Site Grading	4.0-4.5	13.2	103.3	93	X	D
9/20/01	1233	Site Grading	3.0-3.5	10.2	112.1	92	XII	D
9/21/01	1234	Site Grading	15.0-15.5	12.4	112.0	95	XIV	S
9/21/01	1235	Site Grading	13.5-14.0	12.7	101.4	90	IX	D
9/21/01	1236	Site Grading	12.0-12.5	13.2	111.3	92	III	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
9/21/01	1237	Site Grading	10.0-10.5	10.3	111.5	91	XII	D
9/21/01	1238	Site Grading	8.0-8.5	11.7	115.7	95	VII	D
9/21/01	1239	Site Grading	6.0-6.5	13.5	104.3	94	X	S
9/21/01	1240	Site Grading	5.0-5.5	12.8	110.9	92	III	S
9/21/01	1241	Site Grading	4.5-5.0	12.5	115.7	93	II	D
9/21/01	1242	Site Grading	4.0-4.5	13.6	102.1	92	X	D
9/24/01	1243	Site Grading	8.0-8.5	13.2	101.5	91	X	S
9/24/01	1244	Site Grading	7.0-7.5	11.9	104.3	93	IX	D
9/24/01	1245	Site Grading	6.0-6.5	12.4	110.1	92	XVII	D
9/24/01	1246	Site Grading	5.5-6.0	13.1	108.9	91	XVII	D
9/24/01	1247	Site Grading	6.5-7.0	12.3	109.5	91	XVII	S
9/24/01	1248	Site Grading	5.0-5.5	12.5	110.3	92	XVII	D
9/24/01	1249	Site Grading	4.0-4.5	13.7	111.4	94	XIV	D
9/24/01	1250	Site Grading	3.5-4.0	13.9	111.2	93	XVII	D
9/24/01	1251	Site Grading	3.0-3.5	14.2	106.0	92	XI	S
9/25/01	1252	Site Grading	12.0-12.5	13.3	112.2	95	XIV	D
9/25/01	1253	Site Grading	10.0-10.5	12.1	108.9	89	IV	S
9/25/01	1253A**	Site Grading	10.0-10.5	11.7	112.6	92	IV	S
9/25/01	1254	Site Grading	8.0-8.5	10.1	114.1	93	XII	D
9/25/01	1255	Site Grading	6.0-6.5	10.7	115.4	94	XII	D
9/25/01	1256	Site Grading	4.0-4.5	12.9	109.4	90	VII	D
9/25/01	1257	Site Grading	3.0-3.5	12.2	114.9	94	IV	S
9/26/01	1258	Site Grading	4.0-4.5	14.4	105.7	92	XI	D
9/26/01	1259	Site Grading	3.5-4.0	15.6	100.9	88	XI	D
9/26/01	1259A**	Site Grading	3.5-4.0	13.3	104.2	91	XI	D
9/26/01	1260	Site Grading	3.0-3.5	13.8	109.9	93	XIV	S
9/26/01	1261	Site Grading	4.0-4.5	14.7	107.1	91	XIV	D
9/26/01	1262	Site Grading	3.5-4.0	15.1	108.7	92	XIV	D
9/26/01	1263	Site Grading	2.0-2.5	14.3	107.6	91	XIV	D
9/26/01	1264	Site Grading	1.5-2.0	13.6	110.8	91	IV	S
9/26/01	1265	Site Grading	1.5-2.0	13.1	113.2	93	IV	D
9/26/01	1266	Site Grading	2.0-2.5	12.9	111.9	92	IV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
9/27/01	1267	Site Grading	3.0-3.5	12.6	107.2	91	VI	D
9/27/01	1268	Site Grading	2.5-3.0	12.3	112.3	92	IV	S
9/27/01	1269	Site Grading	2.0-2.5	12.7	112.6	92	IV	D
9/27/01	1270	Site Grading	2.5-3.0	13.2	103.8	93	XV	D
9/27/01	1271	Site Grading	3.0-3.5	13.6	107.3	91	XIV	D
9/27/01	1272	Site Grading	3.5-4.0	14.3	108.9	92	XIV	S
9/27/01	1273	Site Grading	2.5-3.0	13.8	106.5	91	VI	D
9/27/01	1274	Site Grading	2.0-2.5	14.1	106.4	90	XIV	D
9/27/01	1275	Site Grading	3.0-3.5	13.2	103.9	93	XV	D
9/27/01	1276	Site Grading	3.0-3.5	12.8	111.0	92	XIX	S
9/28/01	1277	Site Grading	3.5-4.0	13.6	110.7	91	IV	D
9/28/01	1278	Site Grading	2.5-3.0	13.5	111.3	91	IV	D
9/28/01	1279	Site Grading	2.0-2.5	12.3	107.7	92	VI	D
9/28/01	1280	Site Grading	2.5-3.0	10.2	102.5	87	XIV	S
9/28/01	1280A**	Site Grading	2.5-3.0	12.8	107.2	91	XIV	S
9/28/01	1281	Site Grading	3.0-3.5	12.6	112.4	92	IV	D
9/28/01	1282	Site Grading	2.0-2.5	12.3	113.6	93	IV	D
9/28/01	1283	Site Grading	1.5-2.0	13.1	112.8	93	III	S
9/28/01	1284	Site Grading	3.0-3.5	13.8	111.1	92	III	S
9/28/01	1285	Site Grading	2.5-3.0	12.7	114.8	94	IV	D
10/1/01	1286	Site Grading	3.0-3.5	13.5	108.3	92	XIV	D
10/1/01	1287	Site Grading	2.5-3.0	13.9	107.6	91	XIV	S
10/1/01	1288	Site Grading	2.0-2.5	14.1	102.3	91	XV	D
10/1/01	1289	Site Grading	2.5-3.0	13.2	111.2	92	XIX	D
10/1/01	1290	Site Grading	2.5-3.0	13.6	108.6	90	XIX	D
10/1/01	1291	Site Grading	1.5-2.0	13.1	101.7	91	XV	S
10/1/01	1292	Site Grading	2.0-2.5	13.7	108.7	92	XIV	D
10/1/01	1293	Site Grading	1.5-2.0	13.3	102.3	91	XV	D
10/2/01	1294	Site Grading	12.0-12.5	13.1	106.2	90	XIV	S
10/2/01	1295	Site Grading	11.0-11.5	11.4	112.2	92	IV	D
10/2/01	1296	Site Grading	9.0-9.5	12.8	112.5	93	VII	D
10/2/01	1297	Site Grading	7.0-7.5	11.8	127.3	95	V	S

**Retest of failing tests after area reworked

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
10/2/01	1298	Site Grading	6.0-6.5	14.2	108.4	92	XIV	D
10/2/01	1299	Site Grading	5.5-6.0	13.9	109.9	93	XIV	D
10/2/01	1300	Site Grading	5.0-5.5	13.6	110.7	91	IV	D
10/2/01	1301	Site Grading	6.5-7.0	13.1	110.4	91	III	S
10/2/01	1302	Site Grading	4.5-5.0	12.6	106.1	90	VI	D
10/3/01	1303	Site Grading	3.0-3.5	12.9	108.3	92	VI	D
10/3/01	1304	Site Grading	2.5-3.0	13.3	109.7	91	III	S
10/3/01	1305	Site Grading	2.0-2.5	14.7	105.3	87	III	S
10/3/01	1305A**	Site Grading	2.0-2.5	12.9	111.1	92	III	S
10/3/01	1306	Site Grading	2.5-3.0	13.1	113.6	93	IV	D
10/3/01	1307	Site Grading	3.5-4.0	13.5	107.2	91	VI	D
10/3/01	1308	Site Grading	2.0-2.5	13.1	106.9	91	VI	S
10/3/01	1309	Site Grading	3.0-3.5	13.3	103.2	92	XV	D
10/3/01	1310	Site Grading	1.5-2.0	14.2	109.8	93	XIV	D
10/4/01	1311	Site Grading	1.5-2.0	13.9	110.1	93	XIV	D
10/4/01	1312	Site Grading	2.0-2.5	14.3	110.6	92	XVII	S
10/4/01	1313	Site Grading	2.5-3.0	14.5	109.5	91	XVII	D
10/4/01	1314	Site Grading	1.5-2.0	14.4	108.7	92	XIV	D
10/4/01	1315	Site Grading	2.0-2.5	13.9	107.6	91	XIV	D
10/4/01	1316	Site Grading	1.0-1.5	13.6	105.9	90	VI	S
10/5/01	1317	Site Grading	2.0-2.5	13.7	106.3	90	XIV	D
10/5/01	1318	Site Grading	1.5-2.0	12.7	107.4	91	VI	D
10/5/01	1319	Site Grading	1.0-1.5	13.2	108.3	92	XIV	D
10/5/01	1320	Site Grading	1.0-1.5	13.9	107.6	91	XIV	S
10/5/01	1321	Site Grading	1.5-2.0	14.3	104.4	93	XV	D
10/5/01	1322	Site Grading	1.5-2.0	13.5	107.8	92	VI	D
10/5/01	1323	Site Grading	1.5-2.0	12.8	107.3	91	VI	D
10/5/01	1324	Site Grading	2.0-2.5	12.6	113.8	94	III	S
10/5/01	1325	Site Grading	2.0-2.5	13.2	112.4	93	III	S
10/5/01	1326	Site Grading	2.5-3.0	13.7	110.7	91	IV	D
10/8/01	1327	Site Grading	3.0-3.5	12.7	110.8	91	IV	D
10/8/01	1328	Site Grading	2.0-2.5	13.1	112.3	92	IV	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
10/8/01	1329	Site Grading	3.0-3.5	13.3	111.6	92	III	S
10/8/01	1330	Site Grading	2.0-2.5	12.9	111.2	91	IV	D
10/8/01	1331	Site Grading	2.0-2.5	13.8	109.9	93	XIV	D
10/8/01	1332	Site Grading	1.5-2.0	13.6	109.6	93	XIV	S
10/8/01	1333	Site Grading	1.5-2.0	13.2	110.4	91	III	S
10/8/01	1334	Site Grading	2.5-3.0	12.8	112.6	92	IV	D
10/8/01	1335	Site Grading	2.0-2.5	12.9	109.2	90	III	S
10/9/01	1336	Phone/Gas	1.0-1.5	10.3	116.0	93	II	S
10/9/01	1337	Phone/Gas	1.0-1.5	12.1	113.7	96	XIV	D
10/9/01	1338	Phone/Gas	0.5-1.0	10.2	112.3	92	IV	D
10/9/01	1339	Site Grading	2.5-3.0	13.4	107.5	91	XIV	D
10/9/01	1340	Site Grading	2.0-2.5	13.6	107.8	92	VI	S
10/9/01	1341	Site Grading	1.5-2.0	12.5	107.3	91	VI	D
10/9/01	1342	Site Grading	2.5-3.0	12.8	109.8	91	XIX	D
10/9/01	1343	Site Grading	1.5-2.0	13.2	112.2	93	XIX	D
10/9/01	1344	Site Grading	2.0-2.5	13.1	104.4	91	XI	S
10/10/01	1345	Site Grading	1.5-2.0	13.8	113.1	93	IV	D
10/10/01	1346	Site Grading	2.0-2.5	13.4	111.9	92	IV	D
10/10/01	1347	Site Grading	1.0-1.5	12.6	111.6	92	III	S
10/10/01	1348	Site Grading	1.5-2.0	12.9	112.7	93	III	S
10/11/01	1349	Site Grading	1.0-1.5	13.1	110.8	91	IV	D
10/11/01	1350	Site Grading	1.0-1.5	12.3	111.8	92	IV	D
10/11/01	1351	Phone/Gas	1.0-1.5	12.1	110.4	91	III	S
10/11/01	1352	Phone/Gas	1.0-1.5	11.7	112.7	90	II	S
10/11/01	1353	Site Grading	2.5-3.0	13.2	108.3	92	XIV	D
10/11/01	1354	Site Grading	3.0-3.5	13.6	110.1	93	XIV	D
10/11/01	1355	Site Grading	2.0-2.5	13.9	103.3	92	XV	D
10/11/01	1356	Site Grading	1.5-2.0	14.2	110.3	92	XVII	S
10/11/01	1357	Site Grading	2.5-3.0	13.3	108.9	91	XVII	D
10/12/01	1358	Phone/Gas	0.0-0.5	13.5	106.4	90	XIV	D
10/12/01	1359	Phone/Gas	1.0-1.5	12.7	107.3	91	VI	D
10/12/01	1360	Phone/Gas	1.0-1.5	10.6	105.9	90	VI	S

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
10/12/01	1361	Phone/Gas	0.0-0.5	11.1	109.8	91	III	S
10/12/01	1362	Site Grading	3.0-3.5	13.9	106.9	91	XIV	D
10/12/01	1363	Site Grading	2.0-2.5	14.3	107.1	91	XIV	D
10/12/01	1364	Site Grading	1.5-2.0	13.7	102.7	92	XV	S
10/12/01	1365	Site Grading	3.0-3.5	13.2	113.8	93	IV	D
10/12/01	1366	Site Grading	2.0-2.5	12.9	110.7	91	IV	D
10/12/01	1367	Site Grading	1.5-2.0	13.3	110.1	90	IV	D
10/12/01	1368	Site Grading	2.5-3.0	13.5	106.8	91	VI	S
10/13/01	1369	Site Grading	3.0-3.5	12.7	109.4	93	VI	D
10/13/01	1370	Site Grading	2.0-2.5	13.6	107.6	91	XIV	D
10/13/01	1371	Site Grading	2.5-3.0	14.1	108.9	92	XIV	D
10/13/01	1372	Site Grading	3.0-3.5	13.9	109.4	91	XVII	S
10/13/01	1373	Site Grading	2.0-2.5	14.5	108.3	90	XVII	D
10/13/01	1374	Site Grading	1.5-2.0	15.8	105.4	88	XVII	D
10/13/01	1374A**	Site Grading	1.0-1.5	14.1	110.6	92	XVII	D
10/13/01	1375	Site Grading	1.0-1.5	13.2	109.4	93	XIV	S
10/13/01	1376	Site Grading	1.5-2.0	12.6	110.8	91	IV	D
10/16/01	1377	Site Grading	2.0-2.5	12.7	111.9	92	IV	D
10/16/01	1378	Site Grading	1.5-2.0	13.1	111.6	92	III	S
10/16/01	1379	Site Grading	1.0-1.5	13.4	110.5	91	III	S
10/16/01	1380	Site Grading	1.5-2.0	12.8	113.7	93	IV	D
10/16/01	1381	Site Grading	2.0-2.5	12.3	110.4	94	VI	D
10/16/01	1382	Site Grading	1.0-1.5	12.6	107.9	92	VI	D
10/18/01	1383	Site Grading	6.0-6.5	12.3	112.3	95	XIV	S
10/18/01	1384	Site Grading	5.0-5.5	13.0	110.3	91	III	S
10/18/01	1385	Site Grading	4.0-4.5	13.3	110.8	91	IV	D
10/18/01	1386	Site Grading	3.0-3.5	10.8	111.9	91	XII	D
10/18/01	1387	Site Grading	2.0-2.5	11.4	110.4	91	III	S
10/18/01	1388	Site Grading	1.0-1.5	10.1	110.6	90	XII	D
10/18/01	1389	Site Grading	1.5-2.0	12.7	112.6	95	XIII	S
10/19/01	1390	Site Grading	5.0-5.5	14.2	105.9	87	IV	D
10/19/01	1390A**	Site Grading	5.0-5.5	13.6	113.1	93	IV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
10/19/01	1391	Site Grading	4.0-4.5	13.7	111.7	92	III	S
10/19/01	1392	Site Grading	3.0-3.5	13.1	106.0	90	VI	D
10/19/01	1393	Site Grading	3.5-4.0	13.8	107.5	91	XIV	S
10/19/01	1394	Site Grading	4.0-4.5	13.3	112.4	92	IV	D
10/19/01	1395	Site Grading	3.0-3.5	14.2	107.1	91	XIV	D
10/19/01	1396	Site Grading	2.5-3.0	13.4	102.3	91	XIV	D
10/22/01	1397	Site Grading	3.0-3.5	12.7	113.3	92	XVI	S
10/22/01	1398	Site Grading	2.5-3.0	12.9	111.7	91	XVI	D
10/22/01	1399	Site Grading	2.0-2.5	13.1	109.6	93	XIV	D
10/22/01	1400	Site Grading	1.5-2.0	13.3	112.5	92	IV	D
10/22/01	1401	Site Grading	2.0-2.5	13.6	111.3	91	IV	S
10/24/01	1402	Fire Service	2.5-3.0	12.7	109.1	90	III	S
10/24/01	1403	Fire Service	3.0-3.5	12.9	110.4	91	III	S
10/24/01	1404	Fire Service	2.0-2.5	13.4	110.2	90	IV	D
10/24/01	1405	Fire Service	2.5-3.0	13.7	112.1	92	IV	S
10/24/01	1406	Fire Service	1.0-1.5	11.4	110.4	91	VII	D
10/24/01	1407	Fire Service	1.0-1.5	11.9	116.1	94	I	D
10/24/01	1408	Site Grading	3.0-3.5	14.2	109.6	93	XIV	D
10/24/01	1409	Site Grading	2.0-2.5	13.6	112.2	93	XIX	S
10/24/01	1410	Site Grading	2.0-2.5	13.3	109.4	91	XIX	D
10/24/01	1411	Site Grading	1.5-2.0	13.5	103.3	92	XV	D
10/25/01	1412	Fire Service	3.0-3.5	13.1	106.3	92	XI	D
10/25/01	1413	Fire Service	1.0-1.5	11.1	113.6	93	VII	S
10/25/01	1414	Site Grading	3.0-3.5	14.3	101.2	90	XV	D
10/25/01	1415	Site Grading	2.0-2.5	14.7	107.6	91	XIV	D
10/25/01	1416	Site Grading	2.5-3.0	13.9	108.4	92	XIV	D
10/25/01	1417	Site Grading	1.0-1.5	13.6	102.3	91	XV	S
10/25/01	1418	Site Grading	1.0-1.5	12.8	109.6	91	XIX	D
10/25/01	1419	Site Grading	0.5-1.0	13.4	113.7	93	IV	D
10/25/01	1420	Site Grading	2.5-3.0	13.7	112.5	92	IV	D
10/26/01	1421	Fire Service	2.0-2.5	13.1	109.8	91	III	S
10/26/01	1422	Fire Service	3.0-3.5	12.8	111.9	92	IV	D

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
10/26/01	1423	Fire Service	0.5-1.0	13.5	109.4	90	III	S
10/26/01	1424	Fire Service	1.0-1.5	11.4	112.2	93	III	S
10/26/01	1425	Fire Service	2.5-3.0	13.5	107.4	88	III	S
10/26/01	1425A**	Fire Service	1.0-1.5	13.1	113.2	93	III	S
10/29/01	1426	Site Grading	5.0-5.5	11.7	112.6	92	IV	S
10/29/01	1427	Site Grading	4.0-4.5	14.3	108.1	92	XIV	D
10/29/01	1428	Site Grading	4.5-5.0	13.6	104.1	93	XV	D
10/29/01	1429	Site Grading	3.5-4.0	13.8	106.9	91	XIV	D
10/29/01	1430	Site Grading	3.0-3.5	12.7	107.3	91	VI	S
10/29/01	1431	Site Grading	3.5-4.0	13.1	109.5	93	VI	D
10/29/01	1432	Site Grading	3.0-3.5	13.3	111.4	91	IV	D
10/29/01	1433	Site Grading	2.5-3.0	12.8	111.1	92	III	S
10/29/01	1434	Fire Service	2.0-2.5	12.3	110.3	91	III	S
10/29/01	1435	Fire Service	1.0-1.5	13.2	109.8	91	III	S
10/30/01	1436	Site Grading	5.0-5.5	12.3	110.4	90	IV	D
10/30/01	1437	Site Grading	4.0-4.5	12.7	110.4	91	III	S
10/30/01	1438	Site Grading	3.0-3.5	12.9	111.1	92	III	S
10/30/01	1439	Site Grading	3.0-3.5	13.1	110.9	91	IV	D
10/30/01	1440	Site Grading	2.0-2.5	13.3	113.6	93	IV	D
10/30/01	1441	Site Grading	1.5-2.0	12.7	109.1	90	III	S
10/30/01	1442	Site Grading	1.0-1.5	12.4	111.4	91	IV	S
10/31/01	1443	Site Grading	4.0-4.5	10.8	116.6	95	XII	D
10/31/01	1444	Site Grading	3.0-3.5	13.2	111.6	92	III	S
10/31/01	1445	Site Grading	3.5-4.0	13.6	110.7	91	IV	D
10/31/01	1446	Site Grading	2.5-3.0	14.3	105.8	87	IV	S
10/31/01	1446A**	Site Grading	2.5-3.0	13.4	113.1	93	IV	S
10/31/01	1447	Site Grading	2.0-2.5	12.8	111.3	92	III	S
10/31/01	1448	Site Grading	2.0-2.5	13.1	109.9	91	XIX	D
10/31/01	1449	Fire Service	3.0-3.5	13.6	107.2	91	XIV	D
10/31/01	1450	Fire Service	2.0-2.5	13.3	106.6	90	XIV	S
10/31/01	1451	Fire Service	1.5-2.0	13.9	103.2	92	XV	D
11/1/01	1452	Site Grading	4.0-4.5	11.5	110.4	91	III	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
11/1/01	1453	Site Grading	3.0-3.5	14.3	110.0	91	XIX	D
11/1/01	1454	Site Grading	3.5-4.0	13.7	108.7	92	XIV	S
11/1/01	1455	Site Grading	2.5-3.0	13.2	113.1	93	IV	D
11/1/01	1456	Site Grading	3.0-3.5	12.9	111.1	91	IV	D
11/1/01	1457	Site Grading	2.5-3.0	13.6	112.7	93	III	S
11/2/01	1458	Fire Service	3.0-3.5	10.7	110.3	91	III	S
11/2/01	1459	Fire Service	3.0-3.5	13.4	108.8	92	XIV	D
11/2/01	1460	Fire Service	2.0-2.5	12.7	112.1	92	IV	D
11/2/01	1461	Fire Service	2.5-3.0	13.2	102.3	91	XV	D
11/2/01	1462	Fire Service	1.0-1.5	13.7	101.0	90	XV	S
11/2/01	1463	Fire Service	1.5-2.0	14.1	108.7	92	XIV	D
11/5/01	1464	Site Grading	3.0-3.5	10.9	113.4	93	XII	D
11/5/01	1465	Site Grading	4.0-4.5	13.6	111.9	93	XVII	D
11/5/01	1466	Site Grading	3.5-4.0	13.4	110.3	92	XVII	S
11/5/01	1467	Site Grading	3.0-3.5	13.1	112.2	93	III	S
11/5/01	1468	Site Grading	2.5-3.0	12.3	113.6	93	IV	D
11/5/01	1469	Site Grading	3.0-3.5	12.6	112.1	92	IV	D
11/6/01	1470	Site Grading	1.0-1.5	12.8	112.3	92	IV	D
11/6/01	1471	Street Subgrade	0.0-0.5	10.7	109.9	91	III	S
11/6/01	1472	Street Subgrade	0.0-0.5	11.3	110.8	92	III	S
11/6/01	1473	Street Subgrade	0.0-0.5	11.1	115.8	93	II	D
11/6/01	1474	Street Subgrade	0.0-0.5	10.8	114.6	92	II	D
11/6/01	1475	Sidewalk Sg.	0.0-0.5	11.7	110.4	91	III	S
11/6/01	1476	Sidewalk Sg.	0.0-0.5	12.2	111.7	92	III	S
11/6/01	1477	Sidewalk Sg.	0.0-0.5	12.6	111.9	92	IV	D
11/6/01	1478	Sidewalk Sg.	0.0-0.5	12.7	111.3	91	IV	D
11/7/01	1479	Sidewalk Sg.	0.0-0.5	16.7	102.6	85	III	S
11/7/01	1479A**	Sidewalk Sg.	0.0-0.5	13.3	109.8	91	III	S
11/7/01	1480	Site Grading	2.0-2.5	11.2	114.0	93	III	S
11/7/01	1481	Sidewalk Sg.	0.0-0.5	12.2	113.1	93	IV	D
11/7/01	1482	Sidewalk Sg.	0.0-0.5	12.6	113.6	93	IV	S
11/7/01	1483	Sidewalk Sg.	0.0-0.5	12.4	110.3	91	III	S

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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
11/7/01	1484	Sidewalk Sg.	0.0-0.5	13.1	112.4	92	IV	D
11/7/01	1485	Sidewalk Sg.	0.0-0.5	12.4	112.7	90	II	D
11/8/01	1486	Site Grading	2.0-2.5	10.7	113.8	93	XII	S
11/8/01	1487	Site Grading	3.0-3.5	12.7	110.8	90	XVI	D
11/8/01	1488	Site Grading	2.5-3.0	13.1	111.7	91	XVI	D
11/8/01	1489	Site Grading	3.5-4.0	13.6	110.9	92	XIX	D
11/8/01	1490	Site Grading	3.0-3.5	12.9	109.7	91	XIX	S
11/8/01	1491	Site Grading	2.0-2.5	12.7	113.3	93	IV	D
11/8/01	1492	Site Grading	2.0-2.5	12.6	111.2	92	III	S
11/8/01	1493	Fire Service	0.5-1.0	13.2	111.8	93	XVII	D
11/8/01	1494	Fire Service	0.0-0.5	13.6	109.4	91	XVII	S
11/8/01	1495	Fire Service	0.5-1.0	14.1	104.5	87	XIX	D
11/8/01	1495A**	Fire Service	0.5-1.0	13.5	110.6	92	XIX	D
11/8/01	1496	Fire Service	0.0-0.5	12.3	113.3	93	IV	D
11/9/01	1497	Fire Service	0.0-0.5	12.6	114.5	94	IV	S
11/9/01	1498	Fire Service	0.0-0.5	13.2	111.6	92	III	S
11/9/01	1499	Fire Service	0.5-1.0	12.8	112.1	91	XVI	D
11/9/01	1500	Fire Service	0.0-0.5	13.8	106.7	90	XIV	D
11/9/01	1501	Site Grading	3.0-3.5	13.3	108.9	91	XVII	S
11/9/01	1502	Site Grading	2.0-2.5	13.8	108.7	92	XIV	D
11/9/01	1503	Site Grading	1.0-1.5	14.1	107.6	91	XIV	D
11/9/01	1504	Site Grading	2.5-3.0	13.2	111.8	93	XIX	D
11/14/01	1505	Site Grading	4.0-4.5	13.2	111.2	94	XIV	S
11/14/01	1506	Site Grading	3.0-3.5	12.9	112.1	92	IV	D
11/14/01	1507	Site Grading	2.0-2.5	12.6	112.5	92	IV	D
11/14/01	1508	Site Grading	2.5-3.0	12.8	109.8	91	III	S
11/14/01	1509	Site Grading	2.0-2.5	12.4	111.4	92	III	S
11/14/01	1510	Site Grading	3.0-3.5	13.1	113.1	93	IV	D
11/14/01	1511	Site Grading	1.0-1.5	12.7	111.7	92	III	S
11/14/01	1512	Site Grading	1.0-1.5	11.3	113.5	91	II	S
11/15/01	1513	Sidewalk Sg.	0.0-0.5	10.1	113.5	94	III	S
11/15/01	1514	Sidewalk Sg.	0.0-0.5	11.4	113.1	90	II	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
11/15/01	1515	Sidewalk Sg.	0.0-0.5	9.7	111.6	92	III	S
11/16/01	1516	Street Sg.	0.0-0.5	9.2	100.3	82	XII	S
11/19/01	1516A**	Street Sg.	0.0-0.5	10.1	114.5	94	XII	S
11/16/01	1517	Street Sg.	0.0-0.5	10.8	111.3	92	III	S
11/16/01	1518	Street Sg.	0.0-0.5	10.2	112.3	92	IV	S
11/16/01	1519	Street Sg.	0.0-0.5	11.4	116.8	91	V	S
11/16/01	1520	Street Sg.	0.0-0.5	11.5	118.6	93	V	S
11/16/01	1521	Street Sg.	0.0-0.5	11.1	111.8	92	VII	S
11/16/01	1522	Street Sg.	0.0-0.5	10.6	110.3	91	VII	S
11/19/01	1523	Sidewalk Base	0.0-0.5	9.7	121.3	96	XXI	S
11/19/01	1524	Sidewalk Base	0.0-0.5	9.4	121.7	96	XXI	S
11/19/01	1525	Sidewalk Base	0.0-0.5	9.8	122.4	97	XXI	S
11/19/01	1526	Sidewalk Base	0.0-0.5	9.6	120.2	95	XXI	S
11/20/01	1527	Sidewalk Base	0.0-0.5	9.2	121.1	96	XXI	S
11/20/01	1528	Street Base	0.0-0.5	9.8	124.2	98	XXI	S
11/20/01	1529	Street Base	0.0-0.5	9.1	122.7	97	XXI	S
11/20/01	1530	Fire Service	0.0-0.5	13.4	109.1	93	VI	D
11/20/01	1531	Fire Service	0.0-0.5	13.6	110.2	93	XIV	D
11/20/01	1532	Fire Service	0.0-0.5	13.5	108.3	92	XIV	D
11/20/01	1533	Site Grading	1.5-2.0	13.8	102.3	91	XV	S
11/20/01	1534	Site Grading	1.0-1.5	12.9	109.8	91	XIX	D
11/20/01	1535	Site Grading	1.0-1.5	13.1	110.7	92	XIX	D
11/21/01	1536	Street Base	0.0-0.5	9.6	120.6	95	XXI	S
11/21/01	1537	Sidewalk Base	0.0-0.5	9.0	121.6	96	XXI	S
11/21/01	1538	Site Grading	3.0-3.5	14.1	106.1	92	XX	D
11/21/01	1539	Site Grading	2.0-2.5	13.3	108.8	90	XIX	D
11/21/01	1540	Site Grading	2.0-2.5	13.9	105.1	91	XX	D
11/21/01	1541	Site Grading	2.5-3.0	13.3	113.6	93	IV	S
11/21/01	1542	Site Grading	2.0-2.5	13.5	112.0	92	IV	D
11/21/01	1543	Site Grading	2.0-2.5	13.1	110.3	91	III	S
11/26/01	1544	Sidewalk Base	0.0-0.5	9.9	121.9	96	XXI	S
11/26/01	1545	Sidewalk Base	0.0-0.5	9.1	120.3	95	XXI	S

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<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
11/26/01	1546	Sidewalk Base	0.0-0.5	9.1	123.0	97	XXI	S
11/26/01	1547	Sidewalk Base	0.0-0.5	9.6	120.6	95	XXI	S
11/27/01	1548	Sidewalk Base	0.0-0.5	9.3	120.4	95	XXI	S
11/27/01	1549	Sidewalk Base	0.0-0.5	9.7	121.6	96	XXI	S
11/27/01	1550	Sidewalk Base	0.0-0.5	10.1	120.2	95	XXI	S
11/27/01	1551	Sidewalk Base	0.0-0.5	9.6	122.9	97	XXI	S
11/27/01	1552	Site Grading	3.0-3.5	12.8	112.6	93	III	S
11/27/01	1553	Site Grading	2.0-2.5	12.9	111.9	92	IV	D
11/27/01	1554	Site Grading	1.0-1.5	12.7	112.4	92	IV	D
11/28/01	1555	Site Grading	3.0-3.5	13.3	109.1	90	III	S
11/28/01	1556	Site Grading	1.5-2.0	13.1	111.3	91	IV	D
11/28/01	1557	Site Grading	0.5-1.0	12.2	112.1	92	IV	D
11/28/01	1558	Site Grading	2.5-3.0	13.6	110.5	91	III	S
11/28/01	1559	Site Grading	1.5-2.0	12.4	110.8	91	IV	S
11/28/01	1560	Site Grading	0.0-0.5	11.2	112.6	92	IV	D
11/28/01	1561	Sidewalk Base	0.0-0.5	9.8	123.7	98	XXI	S
11/28/01	1562	Sidewalk Base	0.0-0.5	9.1	121.3	96	XXI	S
11/28/01	1563	Sidewalk Base	0.0-0.5	10.3	120.5	95	XXI	S
11/30/01	1564	Street Base	0.0-0.5	10.1	120.4	95	XXI	S
11/30/01	1565	Street Base	0.0-0.5	9.7	122.4	97	XXI	S
11/30/01	1566	Street Base	0.0-0.5	9.4	121.1	96	XXI	S
11/30/01	1567	Sidewalk Base	0.0-0.5	9.6	120.6	95	XXI	S
11/30/01	1568	Sidewalk Base	0.0-0.5	9.1	122.8	97	XXI	S
11/30/01	1569	Sidewalk Base	0.0-0.5	9.3	121.4	96	XXI	S
11/30/01	1570	Sidewalk Base	0.0-0.5	9.8	120.3	95	XXI	S
11/30/01	1571	Sidewalk Base	0.0-0.5	9.9	121.4	96	XXI	S
12/4/01	1572	Sidewalk Base	0.0-0.5	9.4	120.3	95	XXI	S
12/4/01	1573	Sidewalk Base	0.0-0.5	9.6	122.5	97	XXI	S
12/4/01	1574	Site Grading	1.0-1.5	11.2	109.3	90	III	D
12/4/01	1575	Site Grading	1.0-1.5	10.9	110.9	91	IV	D
12/4/01	1576	Site Grading	1.0-1.5	10.7	113.2	93	IV	D
12/4/01	1577	Site Grading	1.0-1.5	9.7	116.1	91	V	S

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
12/5/01	1578	Site Grading	0.0-0.5	12.0	101.2	91	X	S
12/5/01	1579	Site Grading	0.0-0.5	13.3	100.3	90	X	S
12/5/01	1580	Site Grading	1.0-1.5	13.6	102.3	92	X	D
12/5/01	1581	Site Grading	1.0-1.5	13.9	109.6	93	XIV	D
12/5/01	1582	Site Grading	0.5-1.0	13.7	102.3	91	XV	D
12/5/01	1583	Site Grading	1.5-2.0	14.2	102.5	92	X	S
12/5/01	1584	Site Grading	0.0-0.5	13.9	103.1	93	X	D
12/5/01	1585	Site Grading	0.0-0.5	12.6	102.4	91	IX	D
12/6/01	1586	Site Grading	3.5-4.0	12.8	110.8	92	XIX	D
12/6/01	1587	Site Grading	3.5-4.0	12.9	109.8	91	XIX	S
12/6/01	1588	Site Grading	2.0-2.5	13.3	111.2	92	XIX	D
12/6/01	1589	Site Grading	2.5-3.0	12.8	113.4	94	XIX	D
12/6/01	1590	Site Grading	3.0-3.5	12.9	111.1	92	XIX	D
12/6/01	1591	Site Grading	3.0-3.5	13.1	109.6	91	XIX	S
12/6/01	1592	Site Grading	3.0-3.5	13.8	101.0	91	X	D
12/6/01	1593	Site Grading	2.5-3.0	13.5	107.8	92	VI	D
12/6/01	1594	Site Grading	2.5-3.0	13.3	109.6	93	VI	D
12/6/01	1595	Site Grading	2.0-2.5	13.6	110.5	92	XIX	S
12/6/01	1596	Site Grading	2.0-2.5	13.9	100.9	91	X	D
12/7/01	1597	Site Grading	3.5-4.0	12.7	104.2	93	IX	D
12/7/01	1598	Site Grading	3.0-3.5	12.5	97.6	87	IX	D
12/7/01	1598A**	Site Grading	3.0-3.5	12.6	103.3	92	IX	D
12/7/01	1599	Site Grading	2.5-3.0	13.2	103.7	93	X	S
12/7/01	1600	Site Grading	2.5-3.0	13.6	109.4	91	XIX	D
12/7/01	1601	Site Grading	2.0-2.5	13.9	106.1	92	XX	D
12/7/01	1602	Site Grading	2.0-2.5	13.7	104.4	91	XX	S
12/10/01	1603	Site Grading	3.0-3.5	10.6	112.9	92	XII	S
12/10/01	1604	Site Grading	2.0-2.5	9.9	116.3	95	XII	D
12/10/01	1605	Site Grading	2.5-3.0	14.1	104.3	91	XX	D
12/10/01	1606	Site Grading	2.5-3.0	13.6	111.7	93	XIX	D
12/10/01	1607	Site Grading	3.0-3.5	13.9	106.3	92	XX	S
12/10/01	1608	Site Grading	2.0-2.5	13.7	103.5	92	XV	D

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
12/11/01	1609	Site Grading	2.5-3.0	10.0	115.5	94	XII	D
12/11/01	1610	Site Grading	2.5-3.0	15.3	104.2	91	XX	D
12/11/01	1611	Site Grading	2.0-2.5	12.7	110.9	92	XIX	D
12/11/01	1612	Site Grading	2.0-2.5	14.2	106.9	91	XIV	S
12/11/01	1613	Site Grading	2.0-2.5	13.8	110.6	92	XVII	D
12/11/01	1614	Site Grading	2.0-2.5	14.3	111.4	93	XVII	D
12/12/01	1615	Site Grading	2.5-3.0	11.8	110.9	90	I	D
12/12/01	1616	Site Grading	2.0-2.5	10.9	109.1	91	XIX	S
12/12/01	1617	Site Grading	2.0-2.5	12.2	112.2	93	XIX	D
12/12/01	1618	Site Grading	2.0-2.5	12.7	110.0	91	XIX	D
12/12/01	1619	Site Grading	2.0-2.5	11.6	112.9	94	XIX	D
12/13/01	1620	Site Grading	3.0-3.5	11.8	110.9	92	XXII	D
12/13/01	1621	Site Grading	2.5-3.0	12.0	108.0	90	XXII	S
12/13/01	1622	Site Grading	2.0-2.5	12.5	111.1	93	XXII	D
12/13/01	1623	Site Grading	2.0-2.5	11.3	110.5	92	XXII	D
12/19/01	1624	Site Grading	2.0-2.5	11.8	111.8	93	XXII	D
12/19/01	1625	Site Grading	2.0-2.5	10.4	110.5	92	XXII	D
12/19/01	1626	Site Grading	2.0-2.5	10.0	109.1	91	XXII	S
12/20/01	1627	Site Grading	0.0-0.5	12.2	110.5	92	XIX	D
12/20/01	1628	Site Grading	0.0-0.5	11.3	112.3	94	XXII	D
12/20/01	1629	Site Grading	2.0-2.5	12.7	111.3	93	XXII	D
12/20/01	1630	Site Grading	2.0-2.5	12.6	109.5	91	XXII	S
12/27/01	1631	Fire Service	4.0-4.5	12.2	112.2	91	I	D
12/27/01	1632	Fire Service	3.0-3.5	13.1	103.0	92	XV	D
12/27/01	1633	Fire Service	2.5-3.0	12.8	114.1	93	XVI	D
12/27/01	1634	Fire Service	2.0-2.5	11.8	114.5	93	I	D
12/28/01	1635	Fire Service	0.0-0.5	11.1	117.9	96	I	S
12/28/01	1636	Fire Service	1.0-1.5	12.5	104.3	91	XX	D
1/4/02	1637	Fire Service	0.0-0.5	14.3	110.3	91	III	S
1/4/02	1638	Street Sg.	0.0-0.5	9.1	115.6	94	XII	D
1/4/02	1639	Street Sg.	0.0-0.5	10.6	112.3	93	XIX	S
1/9/02	1640	Street Base	0.0-0.5	7.3	121.8	95	XVIII	S

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
1/9/02	1641	Street Base	0.0-0.5	8.8	124.4	97	XVIII	S
1/9/02	1642	Street Base	0.0-0.5	9.2	124.1	97	XVIII	S
1/10/02	1643	Street Base	0.0-0.5	11.3	117.9	92	XVIII	S
1/10/02	1643A**	Street Base	0.0-0.5	9.1	122.6	96	XVIII	S
1/15/02	1644	Sidewalk Sg.	0.0-0.5	10.9	109.0	90	III	D
1/15/02	1645	Street Sg.	0.0-0.5	12.9	111.7	92	III	D
1/15/02	1646	Street Sg.	0.0-0.5	13.1	112.1	93	III	D
1/16/02	1647	Sidewalk Base	0.0-0.5	8.8	121.9	95	XVIII	S
1/16/02	1648	Street Base	0.0-0.5	8.9	125.7	98	XVIII	S
1/16/02	1649	Street Base	0.0-0.5	9.3	124.3	97	XVIII	S
1/18/02	1650	Site Grading	3.0-3.5	11.1	110.7	92	XXII	D
1/18/02	1651	Site Grading	2.5-3.0	12.2	112.3	94	XXII	D
1/18/02	1652	Site Grading	2.5-3.0	11.8	108.4	90	XXII	D
1/18/02	1653	Site Grading	3.0-3.5	12.2	108.9	91	XXII	S
1/18/02	1654	Site Grading	2.0-2.5	12.9	104.4	93	XV	D
1/18/02	1655	Site Grading	2.0-2.5	12.6	110.1	92	XXII	D
1/21/02	1656	Site Grading	2.0-2.5	10.7	108.2	90	XXII	D
1/21/02	1657	Site Grading	3.0-3.5	13.1	112.2	91	XVI	S
1/21/02	1658	Site Grading	2.5-3.0	12.8	113.9	93	XVI	D
1/21/02	1659	Site Grading	2.0-2.5	11.9	111.4	93	XXII	D
1/21/02	1660	Site Grading	2.0-2.5	12.3	109.6	91	XXII	D
1/21/02	1661	Site Grading	2.5-3.0	12.7	110.7	92	XXII	S
1/21/02	1662	Site Grading	2.5-3.0	12.2	108.9	91	XXII	D
1/21/02	1663	Site Grading	2.0-2.5	12.8	108.3	90	XXII	D
1/23/02	1664	Site Grading	1.5-2.0	12.7	110.0	92	XXII	D
1/23/02	1665	Site Grading	1.5-2.0	14.8	107.7	94	XX	S
1/23/02	1666	Site Grading	1.0-1.5	13.9	109.7	95	XX	D
1/23/02	1667	Site Grading	1.5-2.0	15.1	105.9	92	XX	D
1/23/02	1668	Site Grading	1.5-2.0	14.6	107.3	93	XX	D
1/24/02	1669	Site Grading	1.0-1.5	14.8	111.5	94	XXIII	D
1/24/02	1670	Site Grading	1.0-1.5	13.6	112.7	95	XXIII	S
1/24/02	1671	Site Grading	1.5-2.0	11.9	107.2	91	XXIII	D

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
1/24/02	1672	Site Grading	1.5-2.0	12.1	108.6	92	XXIII	D
1/24/02	1673	Site Grading	1.0-1.5	12.3	107.7	91	XXIII	D
2/8/02	1674	Site Grading	1.0-1.5	12.2	112.2	94	XXII	S
2/8/02	1675	Site Grading	1.0-1.5	9.8	111.1	93	XXII	D
2/8/02	1676	Site Grading	1.0-1.5	12.7	109.1	91	XXII	D
2/8/02	1677	Site Grading	1.5-2.0	12.9	102.7	87	XXIV	D
2/8/02	1677A**	Site Grading	1.5-2.0	13.4	109.3	92	XXIV	D
2/11/01	1678	Site Grading	1.5-2.0	13.2	106.9	90	XXIV	S
2/11/01	1679	Site Grading	1.5-2.0	12.5	112.0	95	XXIV	D
2/11/01	1680	Site Grading	1.5-2.0	13.9	108.9	92	XXIII	D
2/11/01	1681	Site Grading	1.5-2.0	12.2	108.7	92	XXIV	D
2/11/01	1682	Site Grading	1.5-2.0	13.2	110.4	93	XXIV	S
2/11/01	1683	Site Grading	1.5-2.0	15.3	111.0	94	XXIII	D
2/11/01	1684	Site Grading	1.5-2.0	13.4	111.9	95	XXIV	D
2/11/01	1685	Site Grading	1.5-2.0	11.8	110.0	93	XXIV	D
2/11/01	1686	Site Grading	1.5-2.0	13.2	111.3	94	XXIV	S
2/11/01	1687	Site Grading	1.5-2.0	13.9	107.9	91	XXIV	D
2/12/01	1688	Site Grading	1.5-2.0	12.7	110.9	94	XXIV	D
2/12/01	1689	Site Grading	1.5-2.0	13.6	108.3	92	XXIII	D
2/12/01	1690	Site Grading	1.5-2.0	8.8	104.9	88	XXIV	D
2/12/01	1690A**	Site Grading	1.5-2.0	13.2	107.8	91	XXIV	D
2/12/01	1691	Site Grading	1.5-2.0	13.9	107.1	91	XXIII	S
2/12/01	1692	Site Grading	1.5-2.0	14.3	110.2	93	XXIII	D
2/12/01	1693	Site Grading	1.5-2.0	12.5	110.4	93	XXIV	D
2/12/01	1694	Site Grading	1.5-2.0	12.9	107.2	90	XXIV	D
2/21/02	1695	Site Grading	1.5-2.0	14.1	109.7	92	XXV	D
2/21/02	1696	Site Grading	1.5-2.0	13.3	109.2	92	XXV	S
2/25/02	1697	Site Grading	1.0-1.5	10.7	109.4	91	XXII	D
2/25/02	1698	Site Grading	1.0-1.5	10.2	111.3	93	XXII	D
2/25/02	1699	Site Grading	1.5-2.0	12.7	109.3	92	XXIV	D
2/25/02	1700	Site Grading	1.5-2.0	13.5	112.1	94	XXV	D
2/25/02	1701	Site Grading	1.0-1.5	12.6	109.6	92	XXV	S

**Retest of failing tests after area reworked
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SUMMARY OF COMPACTION TEST RESULTS

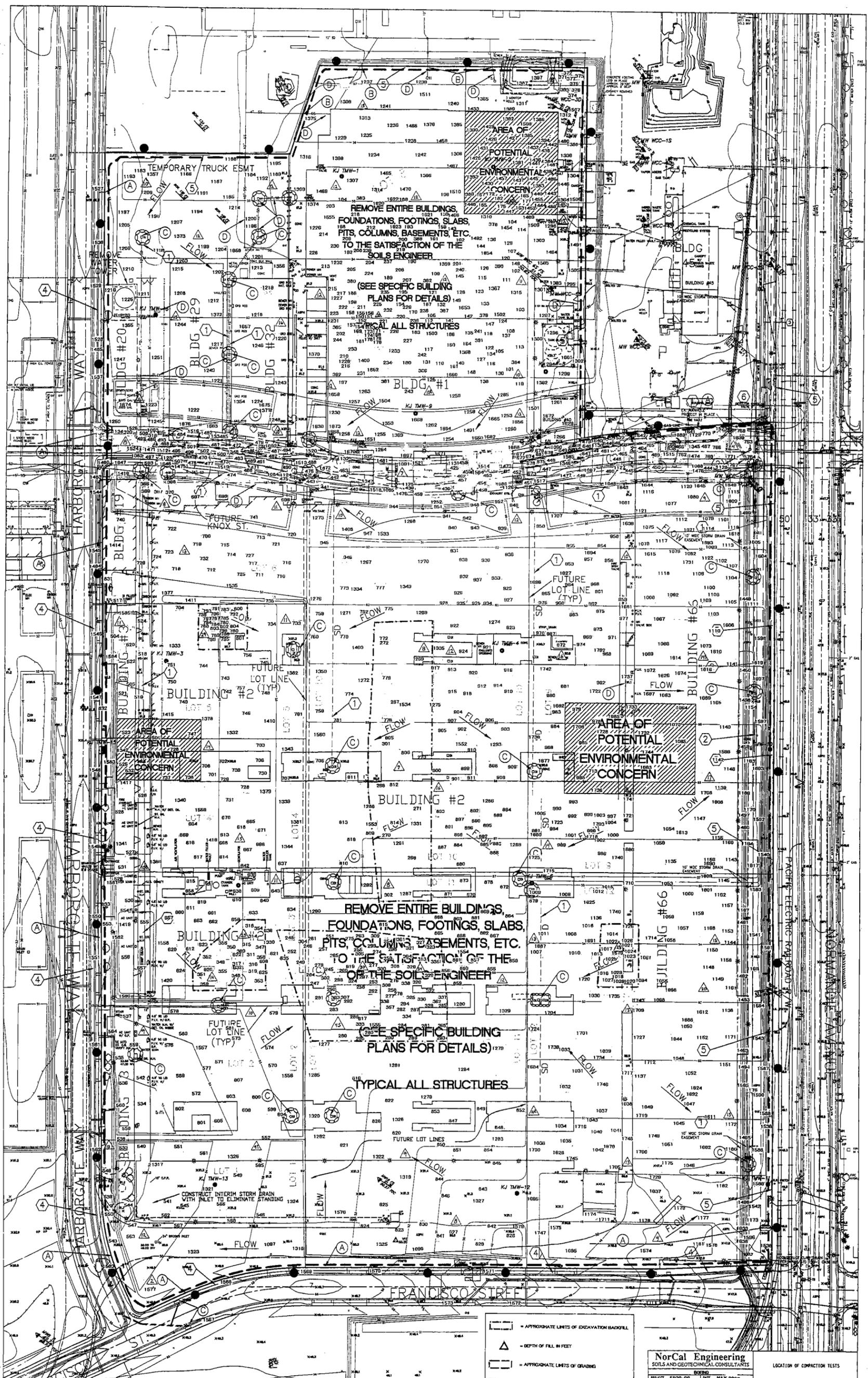
<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
2/25/02	1702	Site Grading	1.5-2.0	13.2	107.4	91	XXV	D
2/25/02	1703	Site Grading	1.0-1.5	10.4	119.7	96	XXVI	S
2/25/02	1704	Site Grading	1.0-1.5	11.1	118.8	95	XXVI	S
2/25/02	1705	Site Grading	1.0-1.5	10.7	120.1	96	XXVI	S
2/25/02	1706	Site Grading	1.0-1.5	10.4	121.2	97	XXVI	S
2/25/02	1707	Site Grading	1.5-2.0	11.7	111.8	93	XXII	S
2/25/02	1708	Site Grading	1.5-2.0	10.8	111.2	93	XXII	D
2/25/02	1709	Site Grading	0.5-1.0	11.2	119.3	95	XXVI	S
2/25/02	1710	Site Grading	0.5-1.0	10.5	120.4	96	XXVI	S
2/25/02	1711	Site Grading	1.0-1.5	10.9	118.9	95	XXVI	S
2/25/02	1712	Site Grading	1.0-1.5	12.7	110.9	94	XXIV	D
2/25/02	1713	Site Grading	1.0-1.5	13.9	106.2	90	XXIII	D
2/28/02	1714	Site Grading	1.0-1.5	10.1	114.5	92	XXVI	S
2/28/02	1714A**	Site Grading	1.0-1.5	10.0	119.2	95	XXVI	S
2/28/02	1715	Site Grading	1.0-1.5	10.4	119.8	96	XXVI	S
2/28/02	1716	Site Grading	1.0-1.5	11.1	121.3	97	XXVI	S
2/28/02	1717	Site Grading	0.5-1.0	11.2	121.0	97	XXVI	S
2/28/02	1718	Site Grading	0.5-1.0	10.8	120.2	96	XXVI	S
3/1/02	1719	Site Grading	0.5-1.0	14.7	109.5	93	XXIII	D
3/1/02	1720	Site Grading	0.5-1.0	13.6	107.6	91	XXIII	D
3/1/02	1721	Site Grading	0.5-1.0	15.1	107.1	91	XXIII	S
3/1/02	1722	Site Grading	0.5-1.0	10.2	120.9	97	XXVI	S
3/1/02	1723	Site Grading	0.5-1.0	11.1	119.1	95	XXVI	S
3/1/02	1724	Site Grading	0.5-1.0	10.7	112.6	94	XXII	D
3/1/02	1725	Site Grading	0.5-1.0	10.6	111.9	93	XXII	D
3/1/02	1726	Site Grading	0.5-1.0	11.7	113.0	94	XXII	S
3/1/02	1727	Site Grading	0.5-1.0	10.8	108.2	90	XXII	D
3/1/02	1728	Site Grading	0.5-1.0	10.5	114.8	92	XXVI	D
3/4/02	1729	Site Grading	1.0-1.5	10.0	109.5	93	XXVII	D
3/4/02	1730	Site Grading	1.5-2.0	12.8	111.7	93	XXV	D
3/4/02	1731	Site Grading	1.5-2.0	11.9	109.7	92	XXV	S
3/4/02	1732	Site Grading	1.0-1.5	11.2	118.9	95	XXVI	S

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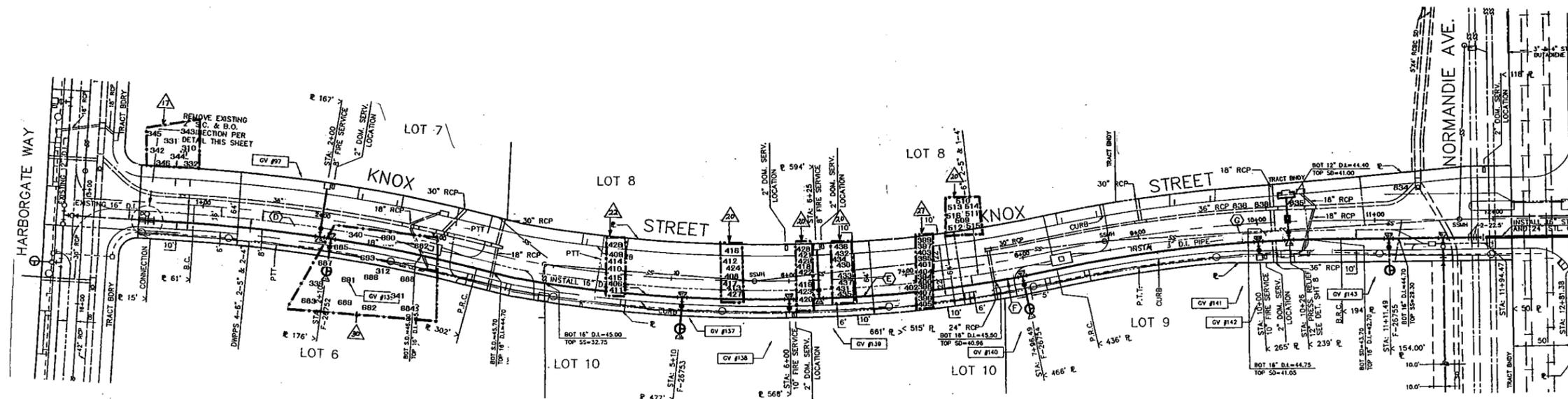
SUMMARY OF COMPACTION TEST RESULTS

<u>Date of Test</u>	<u>Test No.</u>	<u>Location</u>	<u>Depth</u>	<u>Percent Moisture</u>	<u>Unit Wt. lbs./cu.ft.</u>	<u>Relative Compaction</u>	<u>Soil Type</u>	<u>Test S/D</u>
3/4/02	1733	Site Grading	0.5-1.0	9.2	107.4	91	XXVII	D
3/4/02	1734	Site Grading	1.0-1.5	13.8	109.9	93	XXIII	D
3/4/02	1735	Site Grading	0.5-1.0	14.5	110.7	94	XXIII	D
3/4/02	1736	Site Grading	0.5-1.0	13.6	108.8	92	XXIII	S
3/4/02	1737	Site Grading	0.5-1.0	10.7	114.2	95	XXII	D
3/4/02	1738	Site Grading	0.5-1.0	10.2	110.2	92	XXII	D
3/5/02	1739	Site Grading	0.5-1.0	10.6	108.4	92	XXIII	D
3/5/02	1740	Site Grading	0.5-1.0	12.3	108.6	91	XXV	D
3/5/02	1741	Site Grading	0.5-1.0	13.1	109.2	93	XXIII	S
3/5/02	1742	Site Grading	0.5-1.0	12.6	107.4	91	XXIV	D
3/6/02	1743	Site Grading	0.5-1.0	11.8	109.1	92	XXV	D
3/6/02	1744	Site Grading	0.5-1.0	12.3	106.8	91	XXIII	D
3/8/02	1745	Site Grading	0.5-1.0	11.3	108.7	92	XXVII	D
3/8/02	1746	Site Grading	0.5-1.0	14.0	109.1	92	XXV	S
3/15/02	1747	Site Grading	0.5-1.0	13.3	108.5	92	XXIV	D
3/15/02	1748	Site Grading	0.5-1.0	12.7	108.2	91	XXV	D
3/15/02	1749	Site Grading	0.5-1.0	13.1	106.3	90	XXVII	D

**Retest of failing tests after area reworked
S= Sand Cone Method
D= Drive Tube Method

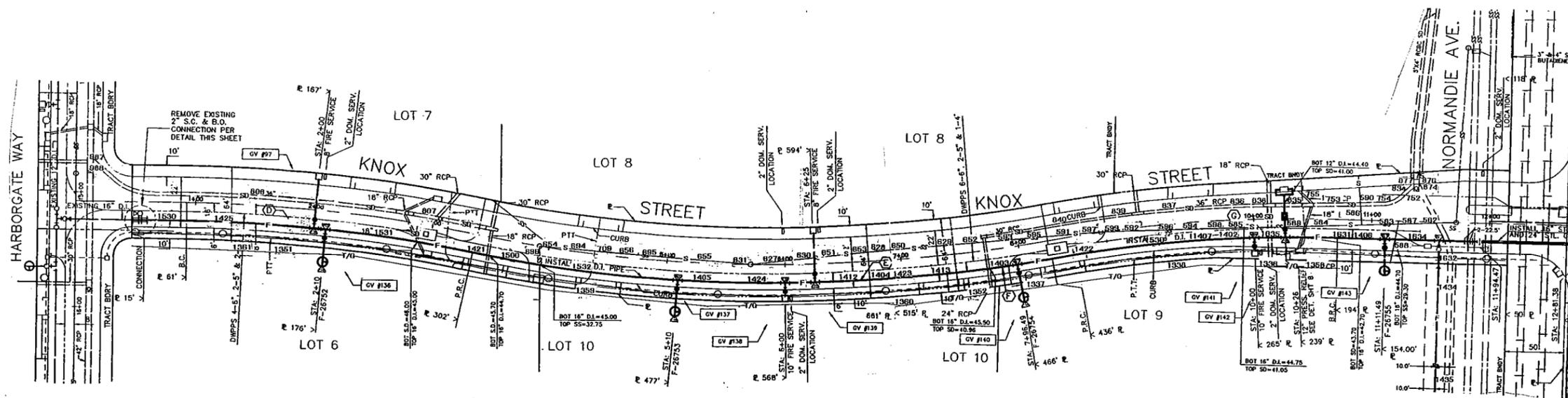


NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
PROJECT: SR39-08 DATE: MAY 2002



EXCAVATION BACKFILL - KNOX STREET

- APPROXIMATE LIMITS OF EXCAVATION BACKFILL
- DEPTH OF FILL IN FEET



UTILITIES - KNOX STREET

- S=SEWER
- SD=STORM DRAIN
- F=FIRE SERVICE
- T/O=TELEPHONE/GAS (JOINT TRENCH)



